

20020816.qrp v02_n649.qrl.20020816

Date: Fri, 16 Aug 2002 19:03:13 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2649

QRP-L Digest 2649

Topics covered in this issue include:

- 1) [132540] Q Dope
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 2) [132541] Re: Resistor question
by Rick McKee <kc8aon@juno.com>
- 3) [132542] just a little OT or maybe not
by Brad Mugleston <brad.mugleston@attbi.com>
- 4) [132543] Re: Battery Charging Article using a lamp?
by K5BDZ@aol.com
- 5) [132544] Re: list problems?
by "John McClain" <digi2@earthlink.net>
- 6) [132545] Re: FS: MFJ 1275 and MFJ 1275M (oops!)
by "William Phinizy" <k6whp@gte.net>
- 7) [132546] wanted
by Gsdavis7070@cs.com
- 8) [132547] Here Piggy, Piggy....
by Chris Cartwright <ccart@phideaux.com>
- 9) [132548] Re: Here Piggy, Piggy....
by "w8diz" <w8diz@fpqrp.com>
- 10) [132549] Re: R-390 <> Type 77 China trade
by Ed Tanton <n4xy@earthlink.net>
- 11) [132550] Re: Q-Dope
by Fred Lesnick <flesnick@tbaytel.net>
- 12) [132551] Re: Q-Dope
by "Marshall Emm" <mgemm@mtechnologies.com>
- 13) [132552] Fwd: An asteroid, a sunspot, and a chance of auroras
by Ed Tanton <n4xy@earthlink.net>
- 14) [132553] RE: Q-Dope
by Nick Kennedy <nkennedy@tcainternet.com>
- 15) [132554] Re:Resistor question
by J38AL@aol.com
- 16) [132555] [CONTEST] N2CQ QRP Contest Calendar Aug 15-31
by "Ken Newman" <n2cq@dandy.net>
- 17) [132556] RE: Battery Charging Article using a lamp?
by Nick Kennedy <nkennedy@tcainternet.com>
- 18) [132557] Got ET.....need da udder fox
by Fred Lesnick <flesnick@tbaytel.net>
- 19) [132558] Rock-Mite blues - Sorta!

- by "nr5a" <nr5a@hills.net>
- 20) [132559] Re: Got ET.....need da udder fox
by "Glenn Butzlaff" <gbutzlaff@wi.rr.com>
- 21) [132560] FOX -- First mW Pelt of the Summer! :-)
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
- 22) [132561] RE: Q-Dope
by Mark Brueggemann <markb@abq.com>
- 23) [132562] Re: Q-Dope
by n5ib@juno.com
- 24) [132563] RE: Battery Charging Article using a lamp?
by Mark Brueggemann <markb@abq.com>
- 25) [132564] Q-Dope Thread Returns
by "Doug Hendricks" <ki6ds@dospalos.org>
- 26) [132565] Porta Paddle & Rock Mite ("me too" message)
by Steve Smith <sigcom@juno.com>
- 27) [132566] Re: Got ET.....need da udder fox
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 28) [132567] Re: Buddipole?
by "Karl F. Larsen" <k5di@zianet.com>
- 29) [132568] Re: Rough for Rock Mites...
by "Karl F. Larsen" <k5di@zianet.com>
- 30) [132569] UPDATED: the "Rock-Mite" files
by "Rod N0RC" <rod@n0rc.us>
- 31) [132570] ILLW - N8L/QRP
by "Jason Hissong" <jhissong1@columbus.rr.com>
- 32) [132571] Fox: KV2X Preliminary Fox Log
by Thomas Jennings <jennings@eznet.net>
- 33) [132572] Re: Q-Dope
by "George, W5YR" <w5yr@att.net>
- 34) [132573] Re: [TenTec] Re: [Elecraft] Magazine Article?
by "George, W5YR" <w5yr@att.net>
- 35) [132574] More NorCal 30 info
by "Doug Hendricks" <ki6ds@dospalos.org>
- 36) [132575] Re: More NorCal 30 info
by "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
- 37) [132576] RE: It's Crystal Clear (first filter) (1,464 words)
by Bill Meara <n2cqr@clix.pt>
- 38) [132577] RE: It's Crystal Clear (first filter) (1,464 words)
by "Leon Heller" <leon_heller@hotmail.com>
- 39) [132578] Re: Battery Charging Article using a lamp?
by "Mike Yetsko" <myetsko@insydesw.com>
- 40) [132579] Crystal ladder filter SPICE analysis
by "Leon Heller" <leon_heller@hotmail.com>
- 41) [132580] QRP Inspiration
by "James P. Osburn, P.E." <j.p.osburn@ieee.org>
- 42) [132581] Re: It's Crystal Clear (first filter) (1,464 words)
by "Leon Heller" <leon_heller@hotmail.com>
- 43) [132582] Fox: KV2X Preliminary Log Repost in Readable format

by Thomas Jennings <jennings@eznet.net>
44) [132583] Argo 515
by "AI2Q Alex" <ai2q@adelphia.net>
45) [132584] Last night
by "Hartwell, Martin E, ALINF" <mehartwell@att.com>
46) [132585] RE: Last night
by "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
47) [132586] Re: Last night
by George Fremin III - K5TR <geoiii@kkn.net>
48) [132587] bands
by "Hartwell, Martin E, ALINF" <mehartwell@att.com>
49) [132588] Re: Duplicate mailings of the
by Jim Eshleman <jce0@Lehigh.EDU>
50) [132589] Re: Battery Charging Article using a lamp?
by "Walter AG5P" <walter@accessus.net>
51) [132590] Re: Last night
by "K7FD N7SG" <k7fd@hotmail.com>
52) [132591] Re: Last night
by Al Scanandoah <k2zn@rochester.rr.com>
53) [132592] Re: Porta Paddle & Rock Mite ("me too" message)
by "Lee Mairs" <lmairs@cox.net>
54) [132593] RE: Battery Charging Article using a lamp?
by Nick Kennedy <nkennedy@tcainternet.com>
55) [132594] Re: Battery Charging Article using a lamp?
by kwise@gdls.com
56) [132595] Re: Duplicate mailings of the
by "Mike Yettsko" <myettsko@insydesw.com>
57) [132596] Re: Q-Dope
by Tim and Michele Groat <tmgroat@peakpeak.com>
58) [132597] RE: Q-Dope Thread Returns
by =?iso-8859-1?Q?Jocs=E1n_D=EDaz_L=F3pez?= <jocsan@ctehab.minbas.cu>
59) [132598] Re: Battery Charging Article using a lamp?
by "" <markb@abq.com>
60) [132599] FS: Argo 509 with 208 filter
by "George Osier" <gosier@twcny.rr.com>
61) [132600] Re: Duplicate mailings of the
by "DTX" <dtx@wood.tzo.com>
62) [132601] Band conditions
by "Karl F. Larsen" <k5di@zianet.com>
63) [132602] Re: Q-Dope Thread Returns
by "carl seyersdahl" <carlseye@tampabay.rr.com>
64) [132603] I went and did it.
by "John McClain" <digi2@earthlink.net>
65) [132604] Re: Duplicate mailings of the
by Jim Eshleman <jce0@Lehigh.EDU>
66) [132605] Re: Battery Charging Article using a lamp?
by "Walter AG5P" <walter@accessus.net>
67) [132606] Re: Last night

by "Jim Stamper" <jstamper@shentel.net>
68) [132607] RE: I went and did it.
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
69) [132608] Re: I went and did it.
by Alex <kr1st@amsat.org>
70) [132609] RE: I went and did it.
by David Hinerman <WD8CIV@worldnet.att.net>
71) [132610] Re: I went and did it.
by "" <markb@abq.com>
72) [132611] W4T
by morehouset@tncc.vccs.edu
73) [132612] Rock Mite and reverse polarity
by "Tom Dufresne" <tdufres@hotmail.com>
74) [132613] Re: [Rock Mite and reverse polarity]
by Rod N0RC <rod@n0rc.us>
75) [132614] RE: Rock Mite and reverse polarity
by Karl Kanalz <kkanalz@gcecispc.com>
76) [132615] Re: Rock Mite and reverse polarity
by "Mike Yetsko" <myetsko@insydesw.com>
77) [132616] Re: Rock Mite and reverse polarity
by Chuck Adams <k7qo@earthlink.net>
78) [132617] Re: Rock Mite and reverse polarity
by Steve Smith <sigcom@juno.com>
79) [132618] Rock-Mites: 'Half-time'
by "Dave Benson" <nn1g@earthlink.net>

Date: Thu, 15 Aug 2002 18:29:00 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <dk3red@t-online.de>
Cc: <qrp-1@lehigh.edu>
Subject: [132540] Q Dope
Message-ID: <00b501c244b3\$88a896e0\$4e100a0a@rohredt2000>

Q Dope is a trade name for a GC Electronics chemicals product which is polystyrene plastic dissolved in a solvent, IE liquid polystyrene. It air dries to a tough hard coating of good dielectric for coils, or other electrical insulating uses. It can be put on in multiple layers to increase the voltage breakdown rating. It comes in a small bottle with a brush attached to the bottle cap.

72,
Stuart K5KVH

Date: Thu, 15 Aug 2002 17:54:15 -0400
From: Rick McKee <kc8aon@juno.com>
To: IamSF5@aol.com, qrp-1@lehigh.edu
Subject: [132541] Re: Resistor question
Message-ID: <20020815.184015.8878.1.kc8aon@juno.com>

HOW DO YOU KNOW THE RESISTOR IS TURNING ORANGE ? YOU SHOULDN'T BE ABLE TO SEE IT WHEN IT'S IN OPERATION ! They are suppose to be mounted in position when the are running because they depend on the blower motor to keep the cool when in operation. If you run them without having them mounted in their proper place very long, they will burn out ! Yes they will turn orange if you just plug it in and run it without having it mounted in the blower housing, be careful or you'll burn out the new one ! NEVER RUN THEM UNLESS THEY ARE MOUNTED IN THEIR PROPER PLACE !

Rick McKee, KC8AON
Willow Wood, Ohio
QRP - Do more with less !

On Thu, 15 Aug 2002 02:41:35 EDT IamSF5@aol.com writes:

>Hi Gang,
>A bit off topic but still a radio part:)
>I'm working on a friends car A/C .
>It had only HI speed on the blower.
>I went to the dealer and they gave me another resistor, the older type
>wire
>wound type.
>I installed and I now have the three speeds but the windings on the
>resistor
>get red hot.
>Actually turns orange from the heat.
>They told me this is normal.
>I feel that the heat will bake away the carbon part of the resistor.
>I looked in the year Y2K ARRL book but there is little info..
>Can someone give me any input on this?
>I don't think it's normal or safe.
>TIA
>Bob
>AF2Q

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<http://dl.www.juno.com/get/web/>.

Date: Thu, 15 Aug 2002 17:09:58 -0600
From: Brad Mugleston <brad.mugleston@attbi.com>
To: qrp-1@lehigh.edu
Subject: [132542] just a little OT or maybe not
Message-ID: <3D5C34C6.6060404@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Here is an article describing a receiver to gather it's radio waves off the internet. From what it says the software part is easy to do they just need the radio part.

I bet one of you could design the radio part, have this fine list of 2000+ people test it for you and then sell it to the public (as a kit?)

Just a thought.

de KI00T, Brad

<<http://www.linuxjournal.com/article.php?sid=6255>>

Date: Thu, 15 Aug 2002 19:08:20 EDT
From: K5BDZ@aol.com
To: ke3fl@yahoo.com, qrp-1@lehigh.edu
Subject: [132543] Re: Battery Charging Article using a lamp?
Message-ID: <e5.1c651fcb.2a8d8e64@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Phil

It's been in a number of ham mags over the past 25 years. The lamp I remember was a 24 volt lamp... and another was a 16 volt and another a 12 VDC, both for 12 volt charging circuits.

Good idea...great charging monitor.. and SUPER simple!!

Bill K5BDZ

Date: Thu, 15 Aug 2002 15:59:30 -0700
From: "John McClain" <digi2@earthlink.net>
To: <kg6cyn@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [132544] Re: list problems?
Message-ID: <00a001c244af\$6c27abe0\$6401a8c0@phoenix.speedchoice.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well I'll be durned, it works! Thank you Trevor.

John
K7SVV
K2 #2569

----- Original Message -----

From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, August 15, 2002 10:41 AM
Subject: Re: list problems?

> That's easy to do Jim as all of the messages are either "To or Cc"
> to
> qrp-l@lehigh.EDU. In Outlook Express, make a folder called QRP-L,
> and
> then under "Tools" go to "Message Rules" and make a rule that states
> if
> a message is "TO or CC'd" qrp-l@lehigh.EDU then place the message
> into
> the QRP-L folder...
>
> I've gotten up to 5 copies lately. Most of the time it's 2 or 3,
> seems
> to have no pattern to it...
>
> 73's Trev KG6CYN
> <http://home.earthlink.net/~kg6cyn>
> <http://www.qsl.net/kg6cyn>
>
> ----- Original Message -----
> From: John McClain <digi2@earthlink.net>
> To: <kg6cyn@earthlink.net>; Low Power Amateur Radio Discussion
> <qrp-l@Lehigh.EDU>
> Sent: Thursday, August 15, 2002 10:29 AM
> Subject: Re: list problems?

>
>
> > Me too! I have never seen 5 copies of the same message but I have
> > seen 4 quite often. Also, would it be possible to append a QRP-L
> > identifier in the subject line of each message so that Outlook
Express
> > can sort on it so that it can place QRP-L messages into a QRP-L
folder
> > the way it does with the other lists that I belong too? It is
nice to
> > not have to manually move them out of the Inbox manually.
> >
> > John
> > K7SVV
> > K2 #2569
> >
> > ----- Original Message -----
> > From: "Trevor Jacobs" <kg6cyn@earthlink.net>
> > To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> > Sent: Thursday, August 15, 2002 9:58 AM
> > Subject: Re: list problems?
> >
> >
> > > YES!!! DUPES OUT THE WAZZUU!!! I'm getting some messages 4 or
5
> > times
> > > over, and it's been going on for about a week. Sure wish we had
an
> > > active list manager that could look into things like this, as my
> > delete
> > > key is wearing thin. Have heard from others experiencing the
same
> > > problem, so it's not Earthlink, and no I'm not subscribed to the
list
> > > multiple times...the list is simply sending me multiple copies
of
> > > messages, but not from everyone...sure hope it gets solved
soon...
> > >
> > > 73's Trev KG6CYN
> > > <http://home.earthlink.net/~kg6cyn>
> > > <http://www.qsl.net/kg6cyn>
> > >
> > > ----- Original Message -----
> > > From: Mike Yetzko <myetsko@insydesw.com>
> > > To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> > > Sent: Thursday, August 15, 2002 6:05 AM
> > > Subject: Re: list problems?

> > >
> > >
> > > > There are a number of times I see the 'message order' get
jumbled,
> > but
> > > > eventually it all seems to get through. There are times that
I've
> > > > suspected
> > > > that I've missed messages, but in looking back, I think it's
just
> > that
> > > I
> > > > delete some parts of some threads because they don't make
sense at
> > the
> > > > time, then when I see the 'other' messages I wish I had them.
> > > >
> > > > Mike
> > > >
> > > > ----- Original Message -----
> > > > From: "Alex" <kr1st@amsat.org>
> > > > To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> > > > Sent: Thursday, August 15, 2002 8:08 AM
> > > > Subject: list problems?
> > > >
> > > >
> > > > > Hi there,
> > > > >
> > > > > Is anyone else experiencing problems with this list? It
seems
> > that I
> > > > > only receive parts of discussions. I didn't see the original
> > message
> > > of
> > > > > some threads and I also received replies to some of the
stuff I
> > > posted
> > > > > but yet have to see my own posts.
> > > > >
> > > > > Thanks and 73,
> > > > > --Alex (KR1ST)
> > > > >
> > > >
> > >
> > >
> >
> >
>

>

Date: Thu, 15 Aug 2002 16:34:01 -0700
From: "William Phinizy" <k6whp@gte.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [132545] Re: FS: MFJ 1275 and MFJ 1275M (oops!)
Message-ID: <001301c244b4\$3fed17e0\$f162e043@k6whp>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My friend Russ points out that my package deal was no bargain, e.g.
85+85=170. He is quite right! I meant *both* for \$160 shipped to your
door via USPS.

Sorry,

Bill, k6whp

Date: Thu, 15 Aug 2002 19:41:28 EDT
From: Gsdavis7070@cs.com
To: qrp-l@lehigh.edu
Subject: [132546] wanted
Message-ID: <21.226ca24c.2a8d9628@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Argo-515. Email me with details. Gordy NW0Y

Date: Thu, 15 Aug 2002 19:43:59 -0400 (EDT)
From: Chris Cartwright <ccart@phideaux.com>
To: QRPL List <qrp-l@lehigh.edu>
Subject: [132547] Here Piggy, Piggy....
Message-ID: <Pine.LNX.4.33.0208151943020.25625-100000@dns.phideaux.com.>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Anyone heard from the truffle du jour?

```
-- Chris Cartwright,   Unix Administrator |      ccart@phideaux.com      --  
-- N3XRV      ARRL-VE   Norcal Zombie #163 |      Oxford, PA 19363 FM29as    --  
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
```

Date: Thu, 15 Aug 2002 19:58:31 -0400
From: "w8diz" <w8diz@fpqrp.com>
To: <qrp-l@lehigh.edu>
Cc: <jman0iin@attbi.com>
Subject: [132548] Re: Here Piggy, Piggy....
Message-ID: <001801c244b7\$a8f33410\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It's Jason, K0IIN in CO.
I copied him on this email.

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W
SOC-8 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 10X-9389 CATT-26
FP#-1 <http://home.cinci.rr.com/w8diz> & <http://kitsandparts.com>

----- Original Message -----
From: "Chris Cartwright" <ccart@phideaux.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, August 15, 2002 7:43 PM
Subject: Here Piggy, Piggy....

Anyone heard from the truffle du jour?

```
-- Chris Cartwright,   Unix Administrator |      ccart@phideaux.com      --  
-- N3XRV      ARRL-VE   Norcal Zombie #163 |      Oxford, PA 19363 FM29as    --  
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
```

Date: Thu, 15 Aug 2002 20:00:10 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [132549] Re: R-390 <> Type 77 China trade
Message-ID: <5.1.1.6.2.20020815195942.034de368@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

For those who might have been following this trade, the R-390 got there in apparently great shape.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Thu, 15 Aug 2002 20:32:54 -0400
From: Fred Lesnick <flesnick@tbaytel.net>
To: w2wurjj@verizon.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [132550] Re: Q-Dope
Message-ID: <3D5C4836.4D90283C@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have used nail polish hardener, and it woks fantastic....
The Canadian distributor we had for Oak Hills Research told me I could use it, and it does the same job, I did, 9 years ago and my OHR HP 40 meter rig still works, and still holds its polish.

Fred

VE3FAL

W2WU wrote:

>
> Has anyone used clear nail polish in place of "Q-Dope"? - Ron W2WU
> ----- Original Message -----
> From: George, W5YR <w5yr@att.net>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Sent: 15 August, 2002 16:40
> Subject: Re: Q-Dope
>
> > The Q-Dope that I used in the 40's was a clear thick liquid that dried
> > clear. I believe that it is still being made. It was described on the
> label
> > as "liquid polystyrene." It was intended to be applied as r-f insulation
> or
> > "coil dope."
> >
> > So, sounds like two different products with the same trade name . . .
> >
> > 73/72/oo, George W5YR - the Yellow Rose of Texas
> > Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
> > Amateur Radio W5YR, in the 56th year and it just keeps getting better!
> > QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
> > Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437
> >
> >
> > Bruce Rattray wrote:
> > >
> > > Hello Ingo....Q-Dope is a dark orange coloured thick liquid covering
> which
> > > I used to put on high-voltage connections (in the high voltage cage of a
> > > TV receiver) to prevent arcing.....

Date: Thu, 15 Aug 2002 18:40:25 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: w2wurjj@verizon.net, qRP-L@lehigh.edu
Subject: [132551] Re: Q-Dope
Message-ID: <3D5BF599.16532.1C48EB4@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

>.Has anyone used clear nail polish in place of "Q-Dope"?<<

YES and in fact it's the "standard" replacement for the elusive dope.

It takes a bit longer to dry thoroughly (up to 24 hrs) and has a much greater temperature effect while it's cooling, and it can be a little hard to remove it if you need to free up a turn or two for adjustment. OTOH it's cheap and as close as your grocery store.

73

Marshall Emm

N1FN/VK5FN

n1fn@MorseX.com

Morse Express and Oak Hills Research

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(303)752-3382

--

Date: Thu, 15 Aug 2002 20:41:59 -0400

From: Ed Tanton <n4xy@earthlink.net>

To: QRP-L Reflector <qrp-l@lehigh.edu>

Subject: [132552] Fwd: An asteroid, a sunspot, and a chance of auroras

Message-ID: <5.1.1.6.2.20020815204042.034e3a28@pop.earthlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

>From: "SpaceWeather.com" <swlist@spaceweather.com>

>

>Space Weather News for August 15, 2002

><http://www.spaceweather.com>

>

>AURORAS: A coronal mass ejection that left the Sun on August 14th could

>buffet Earth's magnetic field on August 15th or 16th. Sky watchers at

>high latitudes (e.g., Canada, New Zealand and the northern tier of US

>states) should be alert for auroras especially during the hours around

>local midnight on Thursday and Friday.

>

>AN ASTEROID: Asteroids are usually hard to see, but you can spot one this

>weekend using only a small telescope or good binoculars. The unusually

>bright space rock, 2002 NY40, will glide by Earth on August 17th and 18th

>only a little farther from our planet than the Moon. (There's no danger of

>a collision.) Visit spaceweather.com for links to sky maps and observing

>tips.

>

>A SUNSPOT: Who said solar max is over? The Sun is once again peppered
>with spots. The largest, active region 69, is truly impressive. It spans
>an area seven times greater than the surface area of Earth and poses a
>threat for powerful flares. The big spot is easy to see from Earth--but
>never stare directly at the Sun! Instead, use safe solar projection
>methods described at spaceweather.com.
>
>---

72/73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Thu, 15 Aug 2002 20:34:58 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'dk3red@gmx.net'" <dk3red@gmx.net>,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [132553] RE: Q-Dope
Message-ID: <01C2449B.39BE7D00.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

You'll sometimes see arguments over whether to even use the stuff. I guess it stabilizes the windings mechanically, against vibration and so on. I think all coatings lower the Q of a toroid a bit, but Q-dope does it minimally, hence the name.

There was a good newsgroup posting by Roy Lewallen on the subject of using other types of goop, including RTV and hot glue, I think. He measured the effects of the various coatings on Q. I think this posting was once stored on the now lamented VE3BPO QRP homebrew page.

Here's a link to it:

<http://groups.google.com/groups?q=Lewallen+Q+Dope,+RTV&hl=en&lr=&ie=UTF-8&oe=UTF-8&selm=36777E1B.E291C83%40teleport.com&rnum=1>

If that doesn't work, it came from a Google groups search on Lewallen, Q dope, RTV. Easy to find.

72--Nick, WA5BDU

BTW--when I tried dissolving packing peanuts in acetone, I came up with a disgusting, slimy glop. I've since been told that not all such materials are polystyrene. Maybe I'll melt my beer cooler or minnow bucket next.

Date: Thu, 15 Aug 2002 21:37:23 EDT
From: J38AL@aol.com
To: qrp-1@lehigh.edu
Subject: [132554] Re:Resistor question
Message-ID: <117.15d2bb67.2a8db153@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

>I installed and I now have the three speeds but the windings on the
>resistor
>get red hot.

Those wire wound resistors used for auto heater/AC blower motor speed MUST be mounted in the air duct for use. The blower motor is also used to cool the resistor besides cool (or heat) the car interior. They will overheat without cooling. Most of the blower motors draw about 10 to 15 amps, and some close to 20.

Al, N2ZHS
Scotia, NY

Date: Thu, 15 Aug 2002 21:13:18 -0400
From: "Ken Newman" <n2cq@dandy.net>
To: "W3BG" <W3BG@ARRL.NET>, "EPA-QRP Club" <EPA-QRP@yahoogroups.com>, "NJ-QRP Club" <NJQRP@njqrp.org>,
Subject: [132555] [CONTEST] N2CQ QRP Contest Calendar Aug 15-31
Message-ID: <014101c244c2\$31551940\$8c9dfa42@18.95.182.twsn1.md.home.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

~~~~~

N2CQ QRP CONTEST CALENDAR

August 15-31, 2002

~~~~~

Summer Fox Hunts - 20 M CW QRP - Fri 0200z

(Thursday Evenings US Local Time)

Details: <http://www.cqc.org/fox/index.htm>

=====

Truffle Hunt 30 minutes before the Fox Hunt

Details: <http://fpqrp.com/struffle.html>

~~~~~

North American QSO Party (SSB) ... 100W or less. (QRP noted on entry)

Aug 17 - 1800z to Aug 18 - 0600z

Rules: <http://www.ncjweb.com/naqprules.php>

"Work Any North American Station - QRP Entries noted on results"

~~~~~

NJ QSO Party (CW/SSB)

Aug 17 - 2000z to Aug 18 - 0700z

Aug 18 - 1300z to Aug 19 - 0200z

Rules: <http://www.qsl.net/w2rj/index.html>

"Work NJ Counties"

~~~~~

Hawaii QSO Party (CW/SSB/Digital)

Aug 24 - 0700z to Aug 25 - 2200z

Rules: <http://www.arrl.org/contests/months/aug.html>

"QRP Category Gone"

~~~~~  
TOEC WW Grid Contest (CW) ... <100W category

Aug 24 - 1200z to Aug 25 - 1200z

Rules: <http://www.qsl.net/toec/contest.htm>

"Boost the interest on grid hunting on the HF bands"

~~~~~  
Ohio QSO Party (CW/SSB) ... QRP Category

Aug 24 - 1600z to Aug 25 - 0400z

Rules: <http://www.mrrc.net/oqprules/>

"Work OH Counties"

~~~~~  
BUBBA Summer QRP Sprint *** QRP CONTEST! ***

Aug 24 - 1800z to 2200z

Rules: <http://www.extremezone.com/~nk7m/>

"BURN YOUR B___ OFF "

~~~~~  
Colorado QRP Club - Summer QSO Party (SSB/CW) \*\*\* QRP CONTEST! \*\*\*

Aug 25 - 1800z to 2359z

Rules: <http://www.cqc.org/contests/summer02.htm>

"Single Band, Multi-band & Portable Categories"

~~~~~  
YO DX HF Contest (CW/SSB)

Aug 31 - 1200z to Sep 1 - 1200z

Rules: http://www.qsl.net/yo3kaa/contests/yodx_eng.htm

"Work Any DX"
~~~~~

Thanks to SM3CER, WA7BNM, ARRL and others  
for assistance in compiling this calendar.

Please foreward the contest info you sponsor to N2CQ@ARRL.NET and  
we will post it and give it more publicity.

Anyone may use this "N2CQ QRP Contest Calendar" for your website,  
newsletter, e-mail list or other media as you choose.

(Include a credit to the source of this material of course.)

\*\*\*\* QRP Contest Calendar \*\*\*\*

<http://www.njqrp.org/data/contesting.html>

<http://www.n3epa.org/Pages/Contest/contest.htm>

72 de

Ken Newman - N2CQ

N2CQ@ARRL.NET

-----  
Date: Thu, 15 Aug 2002 21:18:56 -0500

From: Nick Kennedy <nkennedy@tcainternet.com>

To: "'ke3fl@yahoo.com'" <ke3fl@yahoo.com>,

Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [132556] RE: Battery Charging Article using a lamp?

Message-ID: <01C244A1.5DE66980.nkennedy@tcainternet.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

I used to like to use that trick, but I used a little pilot lamp for the  
small battery I was charging.

Say my battery was 12 volts and I had a ~17 unregulated DC supply. Say I

wanted to charge at around a 100 ma rate. I might connect the supply to the battery through a 6 volt, 100 ma lamp. If the battery had discharged to 11 volts, the lamp would glow to full brilliance. As voltage built, current dropped. If something went wrong, the lamp was a fuse. The lamp was also an indicator of charge rate.

The lamp is kind of an automatic regulator. As current increases, the filament gets much hotter and the temperature coefficient of the tungsten increases the resistance quite a bit.

I made a drop-in charger for my IC-2A way back when; when I was an even bigger tightwad than I am now. (Couldn't bear to spend \$112 for an HT and then \$40 to charge the nicads.) It worked well. When I dropped the HT in, the lamp glowed brightly. But next morning, the filament's glow was a dull orange. Not bad for a one-component charge controller.

72--Nick, WA5BDU

-----Original Message-----

From: Philip Karras [SMTP:ke3fl@yahoo.com]

Back in 1996 I asked if anyone knew of an old QST article about how to charge up lead-acid batteries using a 120V lamp as a current limiter.

-----  
Date: Thu, 15 Aug 2002 22:17:58 -0400  
From: Fred Lesnick <flesnick@tbaytel.net>  
To: QRP Canada <qrp-canada@neale.gpfn.sk.ca>, QRPL <qrp-l@lehigh.edu>  
Subject: [132557] Got ET.....need da udder fox  
Message-ID: <3D5C60D6.34D48562@tbaytel.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Well nabbed ET at about 0211, now I cant find that other fox what is for tonights fox huntin activities, nor does one hear the hounds a yelping.....

Fred  
VE3FAL

Date: Thu, 15 Aug 2002 20:14:54 -0500  
From: "nr5a" <nr5a@hills.net>  
To: <qrp-l@lehigh.edu>  
Subject: [132558] Rock-Mite blues - Sorta!  
Message-ID: <003e01c244c2\$55503820\$52cf1fce@jerry>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I've got my Rock-Mite built, it is in the case except got the leads that go to the key(I had wrong type Jack). I'm recieving right now, but the volume is soooo low I can barely hear it. There is a station on right this minute calling cq however the volume is so low I'd never attempt to work him. So the question is: Anyone else had extremely low volume, and what did you do?

Jerry

-----  
Date: Thu, 15 Aug 2002 20:39:50 -0500  
From: "Glenn Butzlaff" <gbutzlaff@wi.rr.com>  
To: <qrp-l@lehigh.edu>  
Subject: [132559] Re: Got ET.....need da udder fox  
Message-ID: <001901c244c5\$cfd53de0\$6579d118@wi.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Same thing here in Cheeseland, not hearing KV2X or any hounds calling him right now. Hope our international Cheesehead brother VE4WI is having better luck with the low fox.

Glenn, WE9K

----- Original Message -----  
From: "Fred Lesnick" <flesnick@tbaytel.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Thursday, August 15, 2002 9:17 PM  
Subject: Got ET.....need da udder fox

>  
> Well nabbed ET at about 0211, now I cant find that other fox what is  
> for tonights fox huntin activities, nor does one hear the hounds a

> yelping.....  
>  
> Fred  
> VE3FAL

-----  
Date: Thu, 15 Aug 2002 21:34:37 -0500  
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [132560] FOX -- First mW Pelt of the Summer! :-)  
Message-ID: <200208160234.AA01112@bolshoi.cc.misu.nodak.edu>  
Content-Type: text/plain  
Mime-Version: 1.0 (NeXT Mail 4.2mach\_patches v148.2)

Conditions seem to be good for close-in foxii tonight.  
ET was booming in here, and I dispatched him in fine fashion  
after a couple shots at 400 mW. Easiest pelt I've snagged  
this summer! :-)

Tom, on the other hand, is inaudible so far this evening.  
Not even a whisper. Band must be split short/long, as I heard  
some of the far west hounds having luck with him.

72/73,

Todd, AG0T

-----  
Date: Thu, 15 Aug 2002 21:43:48 MDT  
From: Mark Brueggemann <markb@abq.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [132561] RE: Q-Dope  
Message-ID: <B0007114113@mercury.abq.com>

\*\* Reply to note from nkennedy@tcainternet.com

>  
> You'll sometimes see arguments over whether to even use the stuff. I guess  
> it stabilizes the windings mechanically, against vibration and so on.

I use it to insulate closely spaced high voltage leads in crowded  
circuits. 1/16" is a bit close for 300V or so, and sometimes it'll  
start to arc. I dab of GC brand Q dope takes care of it.

Mark

Mark Brueggemann K5LXP  
Albuquerque, NM markb@abq.com  
Web Page: <http://www.qsl.net/k5lxp>

-----  
Date: Thu, 15 Aug 2002 22:59:11 EDT  
From: n5ib@juno.com  
To: qrp-1@lehigh.edu  
Subject: [132562] Re: Q-Dope  
Message-ID: <20020815.204710.7535.1.n5ib@juno.com>

The Q-dope thread shows up from time to time... this following from a post of mine from back in the 20th century.....

-----snip-----

We may have another winner...

Midwest Products' "Aero Gloss" hot fuel proof, #65-1 Gloss Clear sold for use on gas-engine models planes/boats/etc. less than \$2 for a 1 oz bottle at most hobby or craft stores

35 turns of #26 on a T50-2 at 10 MHz  
uncoated: L = 6.33 uH Q = 240 +/- 4  
coated: L = 6.36 Q = 230 +/- 4

I literally dipped the whole coil in the bottle then gently shook off the gross excess. The above numbers after only about an hour of curing time. Dries crystal clear with good mechanical holding properties. Doesn't appear to attack either the wire enamel or the core finish. It's not quite as thick and viscous as nail polish. Probably any brand of "hot fuel proof model airplane clear dope" will work. Check the label - this one contains methyl ethyl ketone and toluol.

The label also says the ingredients are known, to the State of California, to cause birth defects and other reproductive harm. Hope the good Californians pass the word along.....

As you recall, Wet 'N Wild clear nail polish was reported (by another list member) to work quite well. The advantage to the stuff noted above is you can buy it at a (insert tool-man grunt here) guy's store (hobby shop) instead of at the cosmetic counter. Well, OK, so I did buy mine at

Hobby Lobby where it was right next to the silk flowers and behind the needlepoint supplies.....

a very Hi-Q 72,  
Jim N5IB

-----  
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-----  
Date: Thu, 15 Aug 2002 22:01:28 MDT  
From: Mark Brueggemann <markb@abq.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [132563] RE: Battery Charging Article using a lamp?  
Message-ID: <B0007114326@mercury.abq.com>

\*\* Reply to note from nkennedy@tcainternet.com

> I made a drop-in charger for my IC-2A way back when;  
..  
> When I dropped the HT in, the lamp glowed brightly.  
> But next morning, the filament's glow was a dull  
> orange. Not bad for a one-component charge controller.

Motorola did this for at least a decade with their HT-220's and MT-500's. Never had an issue with cooked batteries, though "rapid" was 12-16 hours. The thermal sense chargers brought it in at around an hour, but they tended to cook the pack and shorten it's life. Now it's come full circle with the advent of the battery charge ASICs out there that don't cost much more than the bayonet bulb of 25 years ago, but can rapid charge a cell while barely getting it warm. If only it were so easy for my electric car (21,000,000 mAh).

Mark



Mark Brueggemann K5LXP  
Albuquerque, NM markb@abq.com  
Web Page: <http://www.qsl.net/k5lxp>

-----  
Date: Thu, 15 Aug 2002 20:06:33 -0700  
From: "Doug Hendricks" <ki6ds@dospalos.org>  
To: "qrp-l" <qrp-l@lehigh.edu>  
Subject: [132564] Q-Dope Thread Returns  
Message-ID: <023401c244d1\$ef32e960\$1fa3ad40@DOUG>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Ahhh, I love it. One of my favorite threads makes another appearance. Seems as though everyone has a Q-Dope story or recipe. Some swear by it, some hate it, some use it, some don't, but just as sure as the sun comes up in the east, about once a year we have a Q-Dope thread on QRP-L. Does it mean that the "list" is getting back to normal?? Keep the postings coming guys. We have Rock Mite stuff, a new paddle from Doug Hauff, another great kit from Steve Weber, and very little complaining. Have a good day. 72,  
Doug

-----  
Date: Thu, 15 Aug 2002 20:06:21 -0700  
From: Steve Smith <sigcom@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [132565] Porta Paddle & Rock Mite ("me too" message)  
Message-ID: <20020815.200623.3276.1.sigcom@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Oh, I'm so stoked.

Got my "Porta Paddle" this week from Doug Hauff's American Morse Equipment company. <http://www.americanmorse.com>

This thing is cuter than a bugs ear. Blue anodized American aircraft aluminum, American designed, American built. Man, it doesn't get much better. I'm not a "to the field" type of guy but this key is light as a feather and tough. I think it would be perfect for you backpacker Hams. Not only that, it matches Doug's straight key like the one I bought at Pacificon last year. I'm most impressed with its solid, one piece

machined levers. No plastic to break. And that hard blue anodizing; this thing just might be bullet-proof, HA!

I also received my Rock Mite kit from Dave Benson's Small Wonder Labs. [www.smallwonderlabs.com](http://www.smallwonderlabs.com) What more can I say other than what's already been posted about this rig? Outstanding. For 25 bucks (shipped!) you get a rig with a built-in automatic keyer and that crystal front-end filter is just ingenious. I predict that this little rig will be as popular as the 40-9er, Pixie II and SMK-1. Way to go Dave!

We QRPers are so darned fortunate these days to have suppliers like Doug Hauff and Dave Benson, just to name only two, who bring us such high quality and reasonably priced equipment.

And if you think these guys are getting rich selling this stuff, you're nuts. These guys do it for the love of QRP and we are the beneficiaries.

'Nuf said.

Usual disclaimers apply, yada yada.

73.....Steve "The Scrounger" Smith, WB6TNL  
Oxnard, CA USA  
"Snort Rosin"

-----  
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-----  
Date: Thu, 15 Aug 2002 20:16:30 -0700

From: "Trevor Jacobs" <kg6cyn@earthlink.net>

To: <flesnick@tbaytel.net>,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [132566] Re: Got ET.....need da udder fox

Message-ID: <00b401c244d3\$69c54780\$7992b2d1@tjnotebook>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I can barely hear ET in there right now, he popped up just long enough for me to get him, but no sign of the other FOXII here either...Has anyone heard KV2X?

73's Trev KG6CYN

<http://home.earthlink.net/~kg6cyn>

<http://www.qsl.net/kg6cyn>

----- Original Message -----

From: "Fred Lesnick" <flesnick@tbaytel.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, August 15, 2002 7:17 PM

Subject: Got ET.....need da udder fox

>  
> Well nabbed ET at about 0211, now I cant find that other fox what is  
> for tonights fox huntin activities, nor does one hear the hounds a  
> yelping.....  
>  
> Fred  
> VE3FAL  
>

-----  
Date: Thu, 15 Aug 2002 21:22:23 -0600 (MDT)

From: "Karl F. Larsen" <k5di@zianet.com>

To: ARDUJENSKI@aol.com

Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [132567] Re: Buddipole?

Message-ID: <Pine.LNX.4.44.0208152120430.1704-100000@Daisy.dog>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I have had good luck with mine that I built in the field and in the front yard! On 20 meters and up it's a great antenna!

On Thu, 15 Aug 2002 ARDUJENSKI@aol.com wrote:

> Has anyone had the opportunity to use the BUDDIPOLE in the field? Comments on  
> experience?  
>  
> <http://www.qsl.net/w3ff/>  
>  
> Alan KB7MBI in Woodinville, WA  
> FISTS 5702 Proud member of ARRL  
>

72, Karl K5DI

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Date: Thu, 15 Aug 2002 21:27:08 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: ss lyon <sslyon@megalink.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [132568] Re: Rough for Rock Mites...  
Message-ID: <Pine.LNX.4.44.0208152124140.1704-1000000@Daisy.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I will sure be GLAD when the flux drops to 80 and the darn coronal mass ejections stop. This has been the single worst sunspot max in recorded history. My Rock Mite is working fine but the band is so bad even the 250,000 watt broadcast stations are weak on 40 meters...:-)

On Thu, 15 Aug 2002, ss lyon wrote:

```
> FROM:
> Space Weather News for August 15, 2002
> http://www.spaceweather.com
>
> AURORAS: A coronal mass ejection that left the Sun on August 14th could
> buffet Earth's magnetic field on August 15th or 16th. Sky watchers at
> high latitudes (e.g., Canada, New Zealand and the northern tier of US
> states) should be alert for auroras especially during the hours around
> local midnight on Thursday and Friday.
> "Seab" Lyon - AA1MY
> Bethel, ME 04217 USA
> N 44.3890 - W 70.8450
> FN44nj aa1my@arrl.net
>
>
> Virus Protection by Norton and ZoneAlarm
>
>
```

72, Karl K5DI

```

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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```

Folks,

[http://www.radioactivehams.com/~n0rc/rm/enclosure/altoids\\_enclosure.html](http://www.radioactivehams.com/~n0rc/rm/enclosure/altoids_enclosure.html)

Enjoy, hope you find it helpful.

73, Rod N0RC  
the "Rock-Mite" files  
<http://www.radioactivehams.com/~n0rc/rm/>

Date: Fri, 16 Aug 2002 00:22:14 -0400

From: "Jason Hissong" <jhisson1@columbus.rr.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,  
<elecraft@mailman.qth.net>  
Subject: [132570] ILLW - N8L/QRP  
Message-ID: <005101c244dc\$804c4090\$cb01a8c0@procyon>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi gang,

I will be participating along with my elmer, N8CPA, in the International Lighthouse and Lightship Weekend (ILLW) from Marblehead Lighthouse in Marblehead, OH on August 17th. We will be using special event callsign N8L for this event. I will be using my K2 doing QRP. I will be operating both CW and PSK31. I have never been on the receiving end of a pileup on CW in an event like this so my CW may be a little slow so be patient with me if I screw up. Hope to work other K2's on the air... listen for N8L/QRP which will only be used for the K2. My elmer will be also working stations under the call N8L (non QRP).

We hope to have a special QSL made up especially for this event.

Thanks for the bandwidth.

Jason Hissong - N8XE  
<http://www.qsl.net/n8xe>  
K2# 1270  
FISTS #6338  
FPQRP #443  
ARLHS #661

-----  
Date: Fri, 16 Aug 2002 00:39:18 -0400  
From: Thomas Jennings <jennings@eznet.net>  
To: thomas.jennings@us.abb.com  
Cc: qrp-l@lehigh.edu  
Subject: [132571] Fox: KV2X Preliminary Fox Log  
Message-ID: <3D5C81F6.20407@eznet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

Gang,

What a quiet, easy going, no pile up hunt tonight! Most everybody had a good copyable signal. But there very few to copy. I think it must be a geomagnetic storm raging up there from the solar flare the other day. One good thing is that a couple locals NYers got a pelt! Only one Pesky Texan :{ Missed you guys.

My log is below. I won't be able to get the final log out until first of the week cuz I will be out in the boonies camping this weekend!!

I hope the log is in the correct format. It looks fine now.

Thanks for all the calls!

73,  
Tom, kv2x

Time  
Call  
RST  
SPC  
Name  
Pwr  
201  
K4GT  
559  
GA  
JIM  
5W  
202  
N0ITK  
559  
CO  
DAN  
5W  
203  
KB7WW  
559  
OR  
ART  
5W  
204  
K4FB  
559  
FL  
PAUL  
5W  
205  
K4BYF

559  
SC  
JACK  
5W  
206  
K0FRP  
579  
CO  
AL  
5W  
207  
VE5RC  
559  
SK  
BRUCE  
5W  
208  
K2TER  
559  
NY  
BILL  
5W  
210  
KI0II  
549  
CO  
RON  
2W  
210  
K4BAI  
559  
GA  
JOHN  
5W  
211  
N4DD  
559  
TN  
DENNIS  
5W  
214  
W4NJK  
559  
CA  
CHARLIE  
5W  
215  
K2ZN



549  
NY  
AL  
2W  
216  
KJ0C  
339  
MO  
JIM  
5W  
223  
W6ABC  
559  
CA  
JACK  
5W  
223  
K5E0A  
559  
LA  
WAYNE  
5W  
231  
K5TR  
329  
TX  
GEO  
5W  
233  
W4YN  
599  
NC  
TIM  
4W  
239  
VE6EX  
559  
AB  
DAN  
5W  
251  
WA8NTA  
559  
CO  
DICK  
5W  
252  
AA50

559  
LA  
VERN  
5W  
254  
AA4PP  
559  
GA  
CHUCK  
5W  
303  
KR0U  
579  
CO  
TIM  
3W  
318  
W9UQB/7  
559  
AZ  
MIKE  
5W  
320  
K7TZ  
559  
ID  
RANDY  
900MW  
332  
AC7A  
339  
AZ  
TOM  
5W

-----

Date: Fri, 16 Aug 2002 00:37:49 -0500  
From: "George, W5YR" <w5yr@att.net>  
To: markb@abq.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [132572] Re: Q-Dope  
Message-ID: <3D5C8FAD.FB5A0EF6@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I used it in the 40's to secure wire cables - that was long before we had cable ties, and i was too lazy to using lacing cord!

73/72/00, George W5YR - the Yellow Rose of Texas  
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe  
Amateur Radio W5YR, in the 56th year and it just keeps getting better!  
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735  
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Mark Brueggemann wrote:

>  
> \*\* Reply to note from nkennedy@tcainternet.com  
>  
> >  
> > You'll sometimes see arguments over whether to even use the stuff. I guess  
> > it stabilizes the windings mechanically, against vibration and so on.  
>  
> I use it to insulate closely spaced high voltage leads in crowded  
> circuits. 1/16" is a bit close for 300V or so, and sometimes it'll  
> start to arc. I dab of GC brand Q dope takes care of it.

-----  
Date: Fri, 16 Aug 2002 00:33:28 -0500  
From: "George, W5YR" <w5yr@att.net>  
To: Tom Hammond =?iso-8859-1?Q?N=D8SS?= <n0ss@earthlink.net>  
Cc: "qrp-l@Lehigh.edu" <qrp-l@Lehigh.edu>, elecraft@mailman.qth.net,  
DigRadNet@mailman.qth.net, icom@mailman.qth.net,  
Subject: [132573] Re: [TenTec] Re: [Elecraft] Magazine Article?  
Message-ID: <3D5C8EA8.6CF6141A@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

Tom, I replied once that I had a copy on the way, which is now in hand.  
Sorry if you failed to receive that email.

Thanks again for the offer!

I just noticed that your email quoted below is dated Aug. 10!

73/72/00, George W5YR - the Yellow Rose of Texas  
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe  
Amateur Radio W5YR, in the 56th year and it just keeps getting better!  
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735  
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Tom Hammond N SS wrote:

>  
> I'LL DO IT, BUT... if someone else is already in the process, I don't want  
> to DUPLICATE effort.  
>  
> If anyone IS already copying, PLEASE e-mail me now and let me know.  
>  
> 73,  
>  
> Tom Hammond    N0SS

-----  
Date: Thu, 15 Aug 2002 22:57:05 -0700  
From: "Doug Hendricks" <ki6ds@dospalos.org>  
To: "qrp-1" <qrp-1@lehigh.edu>  
Subject: [132574] More NorCal 30 info  
Message-ID: <025d01c244e9\$c1764ea0\$1fa3ad40@DOUG>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Here are some specs from the prototype NorCal 30.  
Tuning Range 10.100 - 10.125 Mhz.

Maximum Power Out 5W  
720 mA current draw on transmit at full power.

Receiver draws less than 15 mA!!!!!!!

Contains Keyer  
AFA Frequency Readout

The sensitivity is in the -136/-135 dbm MDS range (3 db S+N/N, while the  
IM is greater than +20 dbm, perhaps as high as +37 dbm.

The goal is to have a working rig, not vaporware, at Pacificon. This one is  
gonna cause some excitement on 30 meters.  
72, Doug, KI6DS

-----  
Date: Thu, 15 Aug 2002 23:08:13 -0700  
From: "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>

To: <ki6ds@dospalos.org>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [132575] Re: More NorCal 30 info  
Message-ID: <004201c244eb\$539e93e0\$493ecd18@charterpipeline.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Doug,

If you can tell us, who is the designer?  
And will this kit come with case, etc., or be a bit on the bare side??

Alan Kaul, W6RCL, LaCanada, CA  
w6rcl@amsat.org  
<http://home.att.net/~alan.kaul/index.html>

-----  
Date: Fri, 16 Aug 2002 10:34:03 -0100  
From: Bill Meara <n2cqr@clix.pt>  
To: "nkennedy@tcainternet.com" <nkennedy@tcainternet.com>  
Cc: qrp-l@lehigh.edu  
Subject: [132576] RE: It's Crystal Clear (first filter) (1,464 words)  
Message-ID: <1.5.4.32.20020816113403.01058810@pop.clix.pt>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Nick: I got good results in my effort to widen my three pole filter. I changed the caps from 200 pf (these yielded a bandwidth too narrow for phone) to 50 pf caps. Works fine. I'm listening to a F5BBD on 20 meter SSB right now. Opposite sideband completely eliminated. The shape of these simple filters (often called lower sideband filters) is very good for my application. The skirt is steepest at the high end. Because I'm taking the difference freq out of the mixer (17.79 Mhz - 14.2xx Mhz), at the output from the mixer I'm dealing with an LSB signal (even though 20 is mostly USB). The steep skirt at the high end makes for good "opposite sideband" rejection.

I'm sure that purists could find ripples in the passband to complain about, but I think it is encouraging that it is possible to produce functional filters (both for CW and phone) without getting into all the elaborate tests recommended in some of the articles.

73 Bill CU2JL N2CQR  
<http://planeta.clix.pt/n2cqr>

At 01:52 PM 8/10/02 -0500, you wrote:

>Very nice story on your page, Bill. It really parallels the story I was  
>trying to tell.

>

>I had to nod my head when I read of the OT's telling you that building a  
>receiver is perhaps too difficult for the typical homebrewer. I'll always  
>remember my Elmer lecturing thusly, "Build that transmitter! But you gotta  
>BUY that receiver."

>

>Its great that you were able to come up with a good, functional filter just  
>by matching frequencies. In fact, one of the Hayward articles suggests  
>doing just that. But articles of that nature presume a lot of intuitive  
>knowledge. "Well, I just sorta knew that 150 pF shunt caps would do OK for  
>a 500 Hz filter." You wanna grab 'em by the throat and say, how?? How did  
>you know that!?

>

>In a sense, I did the same thing with my 2N2/40 filter. Of course, Jim had  
>sized the caps, but my crystals came from Dan's and no measurements other  
>than frequency matching had been performed. It worked pretty well.

>

>Your modular approach to building is a good lesson too. That's where I get  
>into trouble--building too much at once.

>

>On your question on capacitors to use for a SSB version of your 3.579 MHz  
>filter. First, it goes without saying that I'm a novice, so with that  
>disclaimer out of the way ...

>

>You need numbers to use these analytical methods, so let me make a wild  
>guess that  $R_s$  is 20 ohms (an approximation Hayward used in his article) and  
>crystal unloaded  $Q$  is 80,000. That allows calculating  $X_L = Q \cdot R_s$  or  
>1,600,000 ohms. From that,  $L_m$  of the crystal is 71.15 Mh and  $C_m$  is 0.0278  
>pF. Hayward's article wants to know the  $\Delta F$  we got from our imaginary  
>test. You can get that from your loaded  $Q$  being 1.6E6 ohms divided by (100  
>+ 20) ohms, or 13,333. (The 100 is the source resistance of the generator  
>plus the load resistance of the bridge.) Then  $\Delta F$  would be 3.579 MHz  
>divided by the loaded  $Q$ , giving 268.45 Hz.

>

>That's enough info to plug into the formula that I have set up in Excel.  
> Choosing the Chebyshev 0.1 dB ripple design and bandwidth comes up with  
>your two shunt caps being 62.6 pF and the input/output resistances being  
>729 ohms. For a filter where the resistance comes out less than 50 ohms,  
>this method gives a shunt end capacitor value to bring it up to 50. But in  
>this case, you're on your own to match it to the input and output you are  
>using.

>  
>OK--I took those numbers and plugged them into Haywood's G87 (aka GLPA)  
>program. It plotted a curve that looks sort of OK for a simple design.  
> Looks about 2 kHz wide with a couple dB ripple. On the steep (high) side,  
>it's -70 dB down at +5 kHz and on the shallow (low) side, it's about -35 dB  
>down at -5Khz. Of course, your mileage is going to vary but this could be  
>a better starting point than spinning Doug's brass doohickey.

>  
>GLPA is not public domain (as far as I know). Maybe someone out there  
>knows of a program to analyze these filters that is free or shareware.  
> Seranaede? I didn't find Electronic Workbench to be satisfactory for  
>this.

>  
>BTW fellows, this stuff kind of falls in with that NORCAL VXO contest.  
> Measuring the crystal's parameters ought to allow you to calculate how  
>much L and how much C you need to pull the thing and eliminate some cut and  
>try. Of course at some point, the crystal is going to defy the math and  
>turn into a pumpkin or maybe a steam calliope. You think? Still, you  
>need every edge including measurements, calculations, and knowing what kind  
>of beer the judges like. Don't let the Doc get ahead of you on any of  
>these tricks.

>  
>72--Nick, WA5BDU  
>

>  
>  
>

>-----Original Message-----

>From: Bill Meara [SMTP:n2cqr@clix.pt]  
>Sent: Saturday, August 10, 2002 11:41 AM

>  
>At 09:57 AM 8/10/02 -0500, Nick wrote:  
>>Been trying to break into the lucrative crystal measurement racket, along  
>>with the likes of Jim K and other advanced homebrewers, for a while now.

>  
>Nick: Here's how I handled the crystal problem. This is an excerpt from an  
>article on the construction of a Doug DeMaw "Barebones Superhet" for 20.  
>See <http://planeta.clix.pt/n2cqr/rxhb.htm> for the whole article. Question  
>for the group: I want to broaden the filter for use with SSB. I'd like to  
>keep it simple by just changing the values of the caps. Any suggestions  
>for  
>the values I should use?

>  
>  
>

73 de Bill CU2JL N2CQR  
Sao Miguel Island, Azores, Portugal  
900 miles West of Lisbon 37.7N 25.67W  
<http://planeta.clix.pt/n2cqr>

-----  
Date: Fri, 16 Aug 2002 10:56:02 +0000  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: n2cqr@clix.pt, qrp-1@lehigh.edu  
Subject: [132577] RE: It's Crystal Clear (first filter) (1,464 words)  
Message-ID: <F176xCb674hvp68F3J00008e8f@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

> >  
> >GLPA is not public domain (as far as I know). Maybe someone out there  
> >knows of a program to analyze these filters that is free or shareware.  
> > Seranaede? I didn't find Electronic Workbench to be satisfactory for  
> >this.

SPICE works fine for simulating filters. There are PD versions around, and the limited demo versions of the expensive SPICEs are OK for this sort of thing.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790  
Email:leon\_heller@hotmail.com  
My web page: [http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)  
My low-cost Altera Flex design kit: <http://www.leonheller.com>

-----  
Join the world s largest e-mail service with MSN Hotmail.  
<http://www.hotmail.com>

-----  
Date: Fri, 16 Aug 2002 07:03:45 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <nkennedy@tcainternet.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [132578] Re: Battery Charging Article using a lamp?  
Message-ID: <009301c24514\$d84a36c0\$0300a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"



Content-Transfer-Encoding: 7bit

> I made a drop-in charger for my IC-2A way back when; when I was an even  
> bigger tightwad than I am now. (Couldn't bear to spend \$112 for an HT  
and  
> then \$40 to charge the nicads.) It worked well. When I dropped the HT  
in,  
> the lamp glowed brightly. But next morning, the filament's glow was a  
dull  
> orange. Not bad for a one-component charge controller.  
>  
> 72--Nick, WA5BDU

Hmm, I didn't think of using a lamp. I built a 'drop in' charger for my  
IC-3AT years ago but I used an LM-317 set up as constant current.

But the same trick you used applies to big old rigs. People use bulbs in  
series with the AC to apply power to old tube rigs with caps that may  
need to be reformed. Just wire a socket in series with the power,  
and put it something small, like a 15w reading lamp, or even smaller  
to apply that first AC start the caps reforming. Then if things go well,  
the next day change to a 25, then a 50W, and so on.

Mike

-----  
Date: Fri, 16 Aug 2002 13:52:50 +0100  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: "Low Power" <qrp-l@lehigh.edu>  
Subject: [132579] Crystal ladder filter SPICE analysis  
Message-ID: <DAV218ZUw2vatfWYqHS00001818@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I've just created a web page with details of a SPICE analysis of a simple  
crystal ladder filter:

[http://www.geocities.com/leon\\_heller/spice.html](http://www.geocities.com/leon_heller/spice.html)

The images need a bit of tidying up, but it should prove useful to anyone  
who hasn't used SPICE for this sort of thing. I'll be adding some links to  
free SPICE implementations when I've checked them.

73, Leon

--

Leon Heller, G1HSM  
leon\_heller@hotmail.com  
[http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)

-----  
Date: Fri, 16 Aug 2002 07:52:13 -0500  
From: "James P. Osburn, P.E." <j.p.osburn@ieee.org>  
To: "List; QRP, QRP Mailing List" <qrp-l@lehigh.edu>  
Subject: [132580] QRP Inspiration  
Message-ID: <000801c24523\$dbba8080\$2689cccf@bbbcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

This Sunday is the Lafayette Indiana Hamfest.  
I was inspired to become a QRPer at the Lafayette Hamfest  
several years ago at a forum given by the president of  
QRP ARCI, Paula Franke, WB9TBU. I was impressed  
that the president of a big organization came to a little  
hamfest to give a talk. The thing she said that really made  
me want to become a QRPer was that it required good  
operating skills, that you had to be able to copy Morse Code  
well, etc. It was the challenge of becoming a better  
operator that made me want to become a QRPer.

I'm attending the hamfest again this Sunday. It's smaller,  
they don't have forums anymore, but I will remember sitting  
in that barn and getting QRP inspiration.

Jim, WD9EYB

-----  
Date: Fri, 16 Aug 2002 13:54:44 +0100  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: <leon\_heller@hotmail.com>,  
                "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [132581] Re: It's Crystal Clear (first filter) (1,464 words)  
Message-ID: <DAV52eSJIEoPXCFbN4T00000190@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Leon Heller" <leon\_heller@hotmail.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Friday, August 16, 2002 11:56 AM

Subject: RE: It's Crystal Clear (first filter) (1,464 words)

>

> SPICE works fine for simulating filters. There are PD versions around, and  
> the limited demo versions of the expensive SPICEs are OK for this sort of  
> thing.

Further to the above, I've just posted a msg about a web page of mine that shows how SPICE can be used for crystal ladder filter simulation.

73, Leon

--

Leon Heller, G1HSM

leon\_heller@hotmail.com

[http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)

-----  
Date: Fri, 16 Aug 2002 12:56:35 GMT

From: Thomas Jennings <jennings@eznet.net>

To: qrp-l@lehigh.edu

Cc: thomas.jennings@us.abb.com

Subject: [132582] Fox: KV2X Preliminary Log Repost in Readable format

Message-ID: <20020816125636.29010.qmail@eznet.net>

Mime-version: 1.0

Content-type: text/plain; charset="us-ascii"

Gang,

Sorry for the bad log. There is a readable version below.

Thanks again.

Tom kv2x

| Time | Call  | RST | SPC | Name  | Pwr |
|------|-------|-----|-----|-------|-----|
| 201  | K4GT  | 559 | GA  | JIM   | 5W  |
| 202  | N0TK  | 559 | CO  | DAN   | 5W  |
| 203  | KB7WW | 559 | OR  | ART   | 5W  |
| 204  | K4FB  | 559 | FL  | PAUL  | 5W  |
| 205  | K4BYF | 559 | SC  | JACK  | 5W  |
| 206  | K0FRP | 579 | CO  | AL    | 5W  |
| 207  | VE5RC | 559 | SK  | BRUCE | 5W  |
| 208  | K2TER | 559 | NY  | BILL  | 5W  |
| 210  | KI0II | 549 | CO  | RON   | 2W  |

|     |         |     |    |         |       |
|-----|---------|-----|----|---------|-------|
| 210 | K4BAI   | 559 | GA | JOHN    | 5W    |
| 211 | N4DD    | 559 | TN | DENNIS  | 5W    |
| 214 | W4NJK   | 559 | CA | CHARLIE | 5W    |
| 215 | K2ZN    | 549 | NY | AL      | 2W    |
| 216 | KJ0C    | 339 | MO | JIM     | 5W    |
| 223 | W6ABC   | 559 | CA | JACK    | 5W    |
| 223 | K5E0A   | 559 | LA | WAYNE   | 5W    |
| 231 | K5TR    | 329 | TX | GEO     | 5W    |
| 233 | W4YN    | 599 | NC | TIM     | 4W    |
| 239 | VE6EX   | 559 | AB | DAN     | 5W    |
| 251 | WA8NTA  | 559 | CO | DICK    | 5W    |
| 252 | AA50    | 559 | LA | VERN    | 5W    |
| 254 | AA4PP   | 559 | GA | CHUCK   | 5W    |
| 303 | KR0U    | 579 | CO | TIM     | 3W    |
| 318 | W9UQB/7 | 559 | AZ | MIKE    | 5W    |
| 320 | K7TZ    | 559 | ID | RANDY   | 900MW |
| 332 | AC7A    | 339 | AZ | TOM     | 5W    |

-----

Date: Fri, 16 Aug 2002 08:56:54 -0400  
 From: "AI2Q Alex" <ai2q@adelphia.net>  
 To: "QRP-L (E-mail)" <qrp-l@lehigh.edu>  
 Subject: [132583] Argo 515  
 Message-ID: <000001c24524\$666db440\$6401a8c0@alex>  
 MIME-Version: 1.0  
 Content-Type: text/plain;  
     charset="iso-8859-1"  
 Content-Transfer-Encoding: 7bit

-----

Date: Fri, 16 Aug 2002 09:13:20 -0400  
 From: "Hartwell, Martin E, ALINF" <mehartwell@att.com>  
 To: <qrp-l@lehigh.edu>  
 Subject: [132584] Last night  
 Message-ID: <6579C6377F475547985F0B3E426E16260204DD2F@OCCLUST01EVS1.ugd.att.com>  
 content-class: urn:content-classes:message  
 MIME-Version: 1.0  
 Content-Type: text/plain;  
     charset="Windows-1252"  
 Content-Transfer-Encoding: quoted-printable

Hi

Were the bands dead last night? Or do I need to look at my antennas, or =  
worse thought, at my rig? I guess I need another rig, and another =  
antenna just to compare with.

Marty Hartwell kd8bj  
AT&T Columbus Ohio  
PH:614-501-2503

-----  
Date: Fri, 16 Aug 2002 10:07:42 -0400  
From: "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>  
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [132585] RE: Last night  
Message-ID: <F9351DA9F0F6D41187410090277B3EB307D3064D@ev008msxaege.ae.ge.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"

You know, I'm surprised about the numerous comments about the bands last night.

Around 9:30 pm local, I heard a few European stations coming through on CW.  
Picked up Jurek, EA6/SP4A0Q. He was 599 in KY. Heard an OH and UA as well.

It only lasted about 1/2 hour, though.

Mark, AA4MF

-----Original Message-----  
From: Hartwell, Martin E, ALINF [mailto:mehartwell@att.com]  
Sent: Friday, August 16, 2002 9:13 AM  
To: Low Power Amateur Radio Discussion  
Subject: Last night

Hi

Were the bands dead last night? Or do I need to look at my antennas, or worse  
thought, at my rig? I guess I need another rig, and another antenna just to  
compare with.

Marty Hartwell kd8bj  
AT&T Columbus Ohio  
PH:614-501-2503

-----  
Date: Fri, 16 Aug 2002 06:32:05 -0700  
From: George Fremin III - K5TR <geoiiii@kkn.net>  
To: qrp-l@lehigh.edu  
Subject: [132586] Re: Last night  
Message-ID: <20020816133205.GE30793@loja.kkn.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

On Fri, Aug 16, 2002 at 09:13:20AM -0400, Hartwell, Martin E, ALINF wrote:

> Hi Were the bands dead last night? Or do I need to look at my  
> antennas, or worse thought, at my rig? I guess I need another rig,  
> and another antenna just to compare with.

The bands were kinda dead.

W1AW code practice was about 40+ db down from normal on 20 meters.

--  
George Fremin III - K5TR  
geoiiii@kkn.net  
<http://www.kkn.net/~k5tr>

-----  
Date: Fri, 16 Aug 2002 09:52:46 -0400  
From: "Hartwell, Martin E, ALINF" <mehartwell@att.com>  
To: <qrp-l@lehigh.edu>  
Subject: [132587] bands  
Message-ID: <6579C6377F475547985F0B3E426E16260204DD31@OCCLUST01EVS1.ugd.att.com>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: quoted-printable

Thanks to the few that have already responded to me on the bands last =  
night.=20  
It seems that in the east to midwest it was pretty dead, but in the far =  
west,  
it may not have been so dead. So I guess I will try again tonight, but =  
will also  
think about another rig to compare with, or at least a receiver.

Marty Hartwell kd8bj  
AT&T Columbus Ohio  
PH:614-501-2503

-----  
Date: Fri, 16 Aug 2002 09:59:07 -0400  
From: Jim Eshleman <jce0@Lehigh.EDU>  
To: kg6cyn@earthlink.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [132588] Re: Duplicate mailings of the  
Message-ID: <3D5D052B.4080408@Lehigh.EDU>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

No, there's no bogging here. The problem is as I described, and certainly could affect any ISP. I'm not bashing earthlink, just observing that most of the complaints were from earthlink subscribers and my logs show the earthlink SMTP servers \*very often\* issuing "451 Resource unavailable...." errors and dropping the connection.

> Hi Jim,  
>  
> A lot of folks having this problem are not on Earthlink. Is it possible  
> that the server is getting bogged down on the sending end and is trying  
> to send it more than once? Thanks for your help...  
>  
> 73's Trev KG6CYN  
> <http://home.earthlink.net/~kg6cyn>  
> <http://www.qsl.net/kg6cyn>  
>  
> ----- Original Message -----  
> From: Jim Eshleman <jce0@Lehigh.EDU>  
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
> Sent: Thursday, August 15, 2002 11:06 AM  
> Subject: Re: Duplicate mailings of the  
>  
>  
>  
>> Thanks John. It appears the earthlink.net SMTP server stops  
>>responding quite often during conversations, resulting in numerous  
>>retries and sometimes multiple deliveries. So while it looks like a  
>  
> bug

```

>
>>in the error handling at this end, its very aggravated by the
>>earthlink.net server.
>>
>> I've installed some patches which might help, please let me know.
>>
>>73
>>Inactive List Manager
>>
>>
>>>Hello Jim
>>>Here is the complete header data from the duplicate mailings you
>>
> requested.
>
>>>as per our email
>>>the ESMTP IDs are different this I gathrr is the receiving side
>>
> Identifier
>
>>>Would this noy indicate that 2 were indeed mailed?
>>>I added the #1 and #2 otherwise the headers are are received.
>>>73
>>>
>>>#1
>>>Status: U
>>>Return-Path: <owner-qrp-l@Lehigh.EDU>
>>>Received: from astro.CC.Lehigh.EDU ([128.180.39.2])
>>> by robin (EarthLink SMTP Server) with ESMTP id 17EKHn3m33NZFjX0
>>> Tue, 13 Aug 2002 16:03:34 -0700 (PDT)
>>>Received: from localhost.localdomain ([127.0.0.1]:36616 "HELO
>>> astro.CC.Lehigh.EDU") by astro.CC.Lehigh.EDU with SMTP
>>> id <S381846AbSHMXDE>; Tue, 13 Aug 2002 19:03:04 -0400
>>>Date: Tue, 13 Aug 2002 19:03:04 EDT
>>>Sender: owner-qrp-l@Lehigh.EDU
>>>Precedence: bulk
>>>From: qrp-l@Lehigh.EDU
>>>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>>>Subject: QRP-L digest 2646
>>>Mime-Version: 1.0
>>>Content-Type: text/plain; charset=us-ascii
>>>X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN
>>>Message-Id: <20020813230309Z381846-17284+689@astro.CC.Lehigh.EDU>
>>>
>>> QRP-L Digest 2646
>>>#2
>>>
>>>Status: U

```



>>>Return-Path: <owner-qrp-1@Lehigh.EDU>  
>>>Received: from astro.CC.Lehigh.EDU ([128.180.39.2])  
>>> by penguin (EarthLink SMTP Server) with ESMTTP id 17EKJ54f93NZF140  
>>> Tue, 13 Aug 2002 16:05:19 -0700 (PDT)  
>>>Received: from localhost.localdomain ([127.0.0.1]:36616 "HELO  
>>> astro.CC.Lehigh.EDU") by astro.CC.Lehigh.EDU with SMTP  
>>> id <S381846AbSHMXDE>; Tue, 13 Aug 2002 19:03:04 -0400  
>>>Date: Tue, 13 Aug 2002 19:03:04 EDT  
>>>Sender: owner-qrp-1@Lehigh.EDU  
>>>Precedence: bulk  
>>>From: qrp-1@Lehigh.EDU  
>>>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>>>Subject: QRP-L digest 2646  
>>>Mime-Version: 1.0  
>>>Content-Type: text/plain; charset=us-ascii  
>>>X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN  
>>>Message-Id: <20020813230309Z381846-17284+689@astro.CC.Lehigh.EDU>  
>>>  
>>> QRP-L Digest 2646  
>>>  
>>  
>>

-----  
Date: Fri, 16 Aug 2002 09:05:03 -0500  
From: "Walter AG5P" <walter@accessus.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [132589] Re: Battery Charging Article using a lamp?  
Message-ID: <001401c2452d\$eb55aa60\$5e476ad8@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi gang,

Wondering if someone can help on this charging problem.  
The hamshack is powered by two motorcycle batteries, and  
working very well for 4 years this month on the same two  
batteries. They are trickle charged (one at a time) from a  
1 amp regular car battery charger.

When operating portable, it would be really nice to recharge them  
from the pick-up truck battery system because sometimes there  
is not 120vac available. Can I just put a 12 volt lamp that is rated

for 1 or 2 amps, like a #1157, etc, in series from the truck battery and not amp shock the little batteries and charge them? And actually couldn't gell cells be charged this way with the appropriate lamp in series from the truck battery?

Your help is much appreciated. Thanks!

72/73...Walter, AG5P.....Wright City, Missouri

-----  
Date: Fri, 16 Aug 2002 06:40:03 -0700  
From: "K7FD N7SG" <k7fd@hotmail.com>  
To: mehartwell@att.com, qrp-l@lehigh.edu  
Subject: [132590] Re: Last night  
Message-ID: <F154jhNF30zHAmWknBD000072dc@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Things are alive out in Oregon...at least on 40m in the evening. Having no trouble drumming up business w/ my NC40a and a 40m loop.

John K7FD

>From: "Hartwell, Martin E, ALINF" <mehartwell@att.com>  
>Reply-To: mehartwell@att.com  
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
>Subject: Last night  
>Date: Fri, 16 Aug 2002 09:13:20 -0400  
>  
>Hi  
>  
>Were the bands dead last night? Or do I need to look at my antennas, or  
>worse thought, at my rig? I guess I need another rig, and another antenna  
>just to compare with.  
>  
>  
>Marty Hartwell kd8bj  
>AT&T Columbus Ohio  
>PH:614-501-2503

-----  
Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

-----  
Date: Fri, 16 Aug 2002 10:16:55 -0400  
From: Al Scanandoah <k2zn@rochester.rr.com>  
To: mehartwell@att.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [132591] Re: Last night  
Message-ID: <3D5D0957.199EE8B4@rochester.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The bands were pretty cruddy last night, but they appear to be even worse now.

I did work both foxes, though.

Al, K2ZN

"Hartwell, Martin E, ALINF" wrote:

>  
> Hi  
>  
> Were the bands dead last night? Or do I need to look at my antennas, or worse  
thought, at my rig? I guess I need another rig, and another antenna just to  
compare with.  
>  
> Marty Hartwell kd8bj  
> AT&T Columbus Ohio  
> PH:614-501-2503

-----  
Date: Fri, 16 Aug 2002 10:40:10 -0400  
From: "Lee Mairs" <lmairs@cox.net>  
To: <sigcom@juno.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [132592] Re: Porta Paddle & Rock Mite ("me too" message)  
Message-ID: <011d01c24532\$d3c464e0\$e526f7a5@isp7000>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

To say nothing at all about our luck in having the folks at the NJQRP and NorCal kitting up all the good projects for us. We owe a few people a lot.  
73 de Lee  
KM4YY

War hath no fury like a non-combatant.  
--C. E. Montague

----- Original Message -----

From: "Steve Smith" <sigcom@juno.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Thursday, August 15, 2002 11:06 PM  
Subject: Porta Paddle & Rock Mite ("me too" message)

> Oh, I'm so stoked.  
>  
> Got my "Porta Paddle" this week from Doug Hauff's American Morse  
> Equipment company. <http://www.americanmorse.com>  
>  
> This thing is cuter than a bugs ear. Blue anodized American aircraft  
> aluminum, American designed, American built. Man, it doesn't get much  
> better. I'm not a "to the field" type of guy but this key is light as a  
> feather and tough. I think it would be perfect for you backpacker Hams.  
> Not only that, it matches Doug's straight key like the one I bought at  
> Pacificon last year. I'm most impressed with its solid, one piece  
> machined levers. No plastic to break. And that hard blue anodizing;  
> this thing just might be bullet-proof, HA!  
>  
> I also received my Rock Mite kit from Dave Benson's Small Wonder Labs.  
> [www.smallwonderlabs.com](http://www.smallwonderlabs.com) What more can I say other than what's already  
> been posted about this rig? Outstanding. For 25 bucks (shipped!) you  
> get a rig with a built-in automatic keyer and that crystal front-end  
> filter is just ingenious. I predict that this little rig will be as  
> popular as the 40-9er, Pixie II and SMK-1. Way to go Dave!  
>  
> We QRPers are so darned fortunate these days to have suppliers like Doug  
> Hauff and Dave Benson, just to name only two, who bring us such high  
> quality and reasonably priced equipment.  
>  
> And if you think these guys are getting rich selling this stuff, you're  
> nuts. These guys do it for the love of QRP and we are the beneficiaries.  
>  
> 'Nuf said.  
>  
> Usual disclaimers apply, yada yada.

>  
> 73.....Steve "The Scrounger" Smith, WB6TNL  
>           Oxnard, CA USA  
>           "Snort Rosin"  
>  
>  
> -----  
> GET INTERNET ACCESS FROM JUNO!  
> Juno offers FREE or PREMIUM Internet access for less!  
> Join Juno today! For your FREE software, visit:  
> <http://dl.www.juno.com/get/web/>.  
>

-----  
Date: Fri, 16 Aug 2002 09:44:44 -0500  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: "'walter@accessus.net'" <walter@accessus.net>,  
      Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [132593] RE: Battery Charging Article using a lamp?  
Message-ID: <01C24509.8DD405E0.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

I'd say that would work, but the charging rate would probably be low. I'd normally select the lamp's rated voltage at somewhere around the difference between the nominal voltage of the battery (say, 12 volts) and the voltage of the charging system.

If the motorcycle batteries are of the same design (number of cells, lead-acid) as the truck battery you could probably just parallel 'em with no limiting required. But like you, I'd like to be cautious where lots of amps are available. Maybe a 6 volt lamp? I'd say yes to the gel cells also.

72--Nick, WA5BDU

-----Original Message-----

From: Walter AG5P [SMTP:walter@accessus.net]  
When operating portable, it would be really nice to recharge them from the pick-up truck battery system because sometimes there is not 120vac available. Can I just put a 12 volt lamp that is rated for 1 or 2 amps, like a #1157, etc, in series from the truck battery and not amp shock the little batteries and charge them? And actually couldn't gell cells be charged this way with the appropriate lamp in series from the truck battery?

Your help is much appreciated. Thanks!

72/73...Walter, AG5P.....Wright City, Missouri

-----  
Date: Fri, 16 Aug 2002 10:47:10 -0400  
From: kwike@gdls.com  
To: qrp-1@lehigh.edu  
Subject: [132594] Re: Battery Charging Article using a lamp?  
Message-ID: <OFE1A1F788.B1792729-ON85256C17.0050DB4E@gdls.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=us-ascii

I am interested in this to. Could you please CC me on any replies. I am more interested in doing this for small gel cells to charge them while driving to/from campsites.

Ed AB8DF

|                                                                                                                                                                   |                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Discussion" <qrp-1@Lehigh.EDU><br>us.net><br>Sent by:<br>using a lamp?<br><br>owner-qrp-1@Lehigh.EDU<br><br>08/16/2002<br>10:05 AM<br>Please respond<br>to walter | "Walter AG5P"<br><walter@access<br>To: "Low Power Amateur Radio<br>cc:<br>Subject: Re: Battery Charging Article |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|

Hi gang,

Wondering if someone can help on this charging problem.  
The hamshack is powered by two motorcycle batteries, and  
working very well for 4 years this month on the same two  
batteries. They are trickle charged (one at a time) from a  
1 amp regular car battery charger.

When operating portable, it would be really nice to recharge them  
from the pick-up truck battery system because sometimes there  
is not 120vac available. Can I just put a 12 volt lamp that is rated  
for 1 or 2 amps, like a #1157, etc, in series from the truck battery  
and not amp shock the little batteries and charge them? And  
actually couldn't gell cells be charged this way with the appropriate  
lamp in series from the truck battery?

Your help is much appreciated. Thanks!

72/73...Walter, AG5P.....Wright City, Missouri

-----  
Date: Fri, 16 Aug 2002 10:48:05 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <jce0@lehigh.edu>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [132595] Re: Duplicate mailings of the  
Message-ID: <005501c24533\$ef432980\$0300a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

It's not just EarthLink. So far this week I've seen duplicates from a  
number of sources. Just this morning I got one email duplicated from  
a 'direct' service.

I suppose it could be a massive coincidence, I don't see how the  
internet could be causing this from all kinds of sources and destinations,  
but I suppose it's possible.

Could there be major backbone issues?

Mike

----- Original Message -----

From: "Jim Eshleman" <jce0@Lehigh.EDU>

> No, there's no bogging here. The problem is as I described, and  
> certainly could affect any ISP. I'm not bashing earthlink, just  
> observing that most of the complaints were from earthlink subscribers  
> and my logs show the earthlink SMTP servers \*very often\* issuing "451  
> Resource unavailable...." errors and dropping the connection.  
>

-----  
Date: Fri, 16 Aug 2002 09:17:59  
From: Tim and Michele Groat <tmgroat@peakpeak.com>  
To: qrp-l@lehigh.edu  
Subject: [132596] Re: Q-Dope  
Message-ID: <3.0.3.16.20020816091759.51c787c2@peakpeak.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

If you want to try home-made Q dope, test it on a scrap of your magnet wire before applying it to a finished coil. The solvent may dissolve the coating on the wire, causing shorted turns. The chemical resistance of magnet wires varies considerably, so test the same wire you'll be using.

I'd be really careful using MEK, both because of the chemical hazards and because it's an ingredient used in paint strippers. It could hurt both you and the wire!

72/73,

Tim Groat, KR0U

"Brad Hernlem" <alihernlem@hotmail.com>:

> I believe that most commercial product is a solution of polystyrene in some  
> kind of solvent. You can "homebrew" your own by dissolving bits of  
> polystyrene, such as Styrofoam (R), in methyl ethyl ketone (MEK). Many  
> people also make do with fingernail polish (paint), various spray paints  
> and  
> so on.



-----  
Date: Fri, 16 Aug 2002 11:07:21 -0400  
From: =?iso-8859-1?Q?Jocs=E1n\_D=EDaz\_L=F3pez?= <jocsan@ctehab.minbas.cu>  
To: "'qrp-l@Lehigh.EDU'" <qrp-l@lehigh.edu>  
Subject: [132597] RE: Q-Dope Thread Returns  
Message-ID: <3098232F8EC9D51183ED0050DA080486092A@CXCTEHAB>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"

Is it also used for airplane modeling. It is the same dope?

73 & DX, C03J0 - Joc

-----Mensaje original-----  
De: Doug Hendricks [mailto:ki6ds@dospalos.org]  
Enviado el: Thursday, August 15, 2002 11:07 PM  
Para: Low Power Amateur Radio Discussion  
Asunto: Q-Dope Thread Returns

Ahhh, I love it. One of my favorite threads makes another appearance. Seems as though everyone has a Q-Dope story or recipe. Some swear by it, some hate it, some use it, some don't, but just as sure as the sun comes up in the east, about once a year we have a Q-Dope thread on QRP-L. Does it mean that the "list" is getting back to normal?? Keep the postings coming guys. We have Rock Mite stuff, a new paddle from Doug Hauff, another great kit from Steve Weber, and very little complaining. Have a good day. 72,  
Doug

-----  
Date: Fri, 16 Aug 2002 09:26:43 -0600  
From: "" <markb@abq.com>  
To: qrp-l@lehigh.edu  
Subject: [132598] Re: Battery Charging Article using a lamp?  
Message-ID: <14a989d6e4214164aab2314c42411c32.markb@abq.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable

----- Original Message -----

From: Walter AG5P

> The hamshack is powered by two motorcycle batteries, and  
> working very well for 4 years this month=20

I'm surprised to hear that, motorcycle batteries do not=20  
do well in deep cycle applications=2E You must not be  
demanding too much of them to last this long=2E

> Can I just put a 12 volt lamp that is rated  
> for 1 or 2 amps, like a #1157, etc, in series from=20  
> the truck battery and not amp shock the little batteries=20  
> and charge them?=20

Because the motorcycle batteries are the same chemistry  
as the truck system, no series limiting will be necessary=2E  
The same charge voltage that is necessary to charge a  
vehicles' SLI battery is the same for any flooded lead  
acid battery, regardless of it's Ah rating (size)=2E Note=20  
that you can't charge a dead battery from a charged one,=20  
you need to boost the charge voltage a =2E2--=2E4 volts per=20  
cell to get current to flow=2E This means the car would=20  
have to be running to do your charging=2E Pretty inefficient=20  
to charge a few Ah's of batteries with a V6 or V8 engine,=20  
especially since it would take quite a while to achieve a=20  
good charge (probably around an hour)=2E A DC-DC converter=20  
that can run on 10-15V input and give you 14VDC output=20  
would be a good way to keep your portable batteries charged=20  
from a vehicle battery, as the DC-DC will perform the voltage=20  
boost the alternator would do=2E While starting batteries=20  
don't like deep discharges, the few Ah's you'd pull out of=20  
it to charge some gel cells would be no problem=2E

Mark K5LXP  
Albuquerque, NM  
k5lxp@arrl=2Enet

-----  
Date: Fri, 16 Aug 2002 11:42:30 -0400  
From: "George Osier" <gosier@twcnny.rr.com>  
To: "QRP-L Group" <qrp-l@lehigh.edu>  
Subject: [132599] FS: Argo 509 with 208 filter  
Message-ID: <003301c2453b\$884c8b60\$25624342@twcnny.rr.com>

MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello.....

Have a TT Argo 509 with 208 filter for sale .....

Needs some work on 80 meters and dial cord slippage but cosmetically  
great.....

\$225.00 plus ship .....

Must sell for medical costs ..... :(

73s

George Osier , N2JNZ / QRP

-----  
Date: Fri, 16 Aug 2002 08:37:21 -0700  
From: "DTX" <dtx@wood.tzo.com>  
To: <myetsko@insydesw.com>,  
        "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [132600] Re: Duplicate mailings of the  
Message-ID: <012b01c2453a\$cfc96fe0\$0c00a8c0@home>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Yes. This is the major downside of unfettered SPAM....it sucks up resources on servers as well as bandwidth over the network legs. The former is (usually) more limited. A given server will have a maximum number of simultaneous connections, similar to a web site (server.) If you are using an ISP's mail server and it is being flooded with spam to other users, your legitimate emails can get bounced. In theory, with both ends working together to a common protocol, it should all work out with the possibility of earlier msgs showing up after later msgs. But, to paraphrase Yogi Berra, In theory there is no difference between theory and practice. In practice, there is. Which causes dupes to show up in your mail box.

I run a personal mail server on one of my local machines. I see very few dupes. I can't say none, but I don't really notice them

Gary WA6DTX

----- Original Message -----

From: "Mike Yetsko" <myetsko@insydesw.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Friday, August 16, 2002 7:48 AM

Subject: Re: Duplicate mailings of the

> It's not just EarthLink. So far this week I've seen duplicates from a  
> number of sources. Just this morning I got one email duplicated from  
> a 'direct' service.

>

> I suppose it could be a massive coincidence, I don't see how the  
> internet could be causing this from all kinds of sources and destinations,  
> but I suppose it's possible.

>

> Could there be major backbone issues?

>

> Mike

>

> ----- Original Message -----

> From: "Jim Eshleman" <jce0@Lehigh.EDU>

>

>

> > No, there's no bogging here. The problem is as I described, and  
> > certainly could affect any ISP. I'm not bashing earthlink, just  
> > observing that most of the complaints were from earthlink subscribers  
> > and my logs show the earthlink SMTP servers \*very often\* issuing "451  
> > Resource unavailable...." errors and dropping the connection.

> >

>

>

-----  
Date: Fri, 16 Aug 2002 09:51:21 -0600 (MDT)

From: "Karl F. Larsen" <k5di@zianet.com>

To: qrp-l@lehigh.edu

Subject: [132601] Band conditions

Message-ID: <Pine.LNX.4.44.0208160943120.1667-1000000@Daisy.dog>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I went to my favorite web site and found that while the flux was  
210 the A was 18 and that means radio blackout over short paths and some

If the A gets down to 3 or 4 in a few days we might see a little activity on 10 meters. I listened for ANY Fox on my mobile yesterday evening around 8:30 when we had a break and heard no Hounds and no Foxes so turned it off and went back to work.

```

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|

```

The dope used for model airplanes, and the real ones for that matter, (those using fabric coverings) was/is either butyrate or acetate dope. !!! not the same thing at all !

Q-dope is polystyrene in a chemical. nail polish is acetone based, as the polish remover is generally just pure acetone!!!! (and can get real strong to smell, as well as VERY dangerous in a closed room .!! )

years ago I saved a friend of mine from near death . He was in a closed room , no ventilation, and was using acetone and model airplane dope. When I came by and opened the door he had just collapsed on the floor and I knew from the smell what had happened. Thankfully, for him, fresh air was enough to bring him back, but it certainly taught both of us a VALUABLE lesson != !

Be careful with these types of chemicals !! (memories)

carl / kz5ca

----- Original Message -----

From: "Jocs=E1n D=EDaz L=F3pez" <jocsan@ctehab.minbas.cu>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Friday, August 16, 2002 11:07 AM

Subject: RE: Q-Dope Thread Returns

> Is it also used for airplane modeling. It is the same dope?

>

> 73 & DX, C03J0 - Joc

>

> -----Mensaje original-----

> De: Doug Hendricks [mailto:ki6ds@dospalos.org]

> Enviado el: Thursday, August 15, 2002 11:07 PM

> Para: Low Power Amateur Radio Discussion

> Asunto: Q-Dope Thread Returns

>

>

> Ahhh, I love it. One of my favorite threads makes another appearance.

> Seems as though everyone has a Q-Dope story or recipe. Some swear by it,

> some hate it, some use it, some don't, but just as sure as the sun comes

up

> in the east, about once a year we have a Q-Dope thread on QRP-L. Does it

> mean that the "list" is getting back to normal?? Keep the postings coming

> guys. We have Rock Mite stuff, a new paddle from Doug Hauff, another great

> kit from Steve Weber, and very little complaining. Have a good day. = 72,

> Doug

>

-----

Date: Fri, 16 Aug 2002 09:15:54 -0700

From: "John McClain" <digi2@earthlink.net>

To: "QRP-L" <qrp-l@lehigh.edu>

Subject: [132603] I went and did it.

Message-ID: <001401c24540\$52d66140\$6501a8c0@phoenix.speedchoice.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Well, I just committed one of the bigger Gel Cell sins. I had forgotten about my backup battery pack until this morning and now one of the two 6 volt (4.5mah) batteries is kaput. It reads zero volts and will not take a charge from my solar charger. I know that these cells don't like to be discharged below 11.5 volts and this is what may happen if they are. My question, what do I do besides slapping my hand? Is there any way to resurrect it?

John  
K7SVV  
K2 #2569

-----  
Date: Fri, 16 Aug 2002 12:17:25 -0400  
From: Jim Eshleman <jce0@Lehigh.EDU>  
To: myetsko@insydesw.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [132604] Re: Duplicate mailings of the  
Message-ID: <3D5D2595.2090307@Lehigh.EDU>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

> It's not just EarthLink. So far this week I've seen duplicates from a  
> number of sources. Just this morning I got one email duplicated from  
> a 'direct' service.  
>  
> I suppose it could be a massive coincidence, I don't see how the  
> internet could be causing this from all kinds of sources and destinations,  
> but I suppose it's possible.  
>  
> Could there be major backbone issues?  
>  
> Mike

Since you receive dups from several different sources, I would suspect your ISP. The internet is not a "store and forward" network. Mail is generally sent via a direct connection from source site to destination site. The duplication must happen at one end or the other.

Of course the mail may go through more than one mail transport agent at either site.

For example, your posting to qrp-l is received here by a system which checks for viruses and attempts to block spam, then goes to the central mail hub, then to the list server. If you look at the mail headers you'll see a Received: line for each system that has handled the message. The mailer at the list server (astro) is the "turn-around" point, it handles the message twice, once delivering to the list server and once receiving the "reflected" message destined for you, the list subscriber.

Now compare the Received: lines for a pair of duplicates. Generally each system adds a line to the top of the mail with a timestamp and maybe an identifier ("with SMTP id nnnnnnnn" or somesuch) so start at the bottom and work up. Those lines will look identical up to the point of duplication. If the duplication is happening at your (ISP's) end, the entire header may look identical.

73

Jim N3VXI

-----  
Date: Fri, 16 Aug 2002 11:52:00 -0500  
From: "Walter AG5P" <walter@accessus.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [132605] Re: Battery Charging Article using a lamp?  
Message-ID: <00a601c24545\$3e5960a0\$5e476ad8@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Very good, Mark, I appreciate your thoughts and advice.  
Also thanks to Nick for his thoughts.

The hamshack is all QRP rigs. Biggest current draw is the Patcomm PC-500 and even at nosebleed power out it is only running <7 amps on transmit. Everything else is drawing <2 1/2 amps on transmit.

One thing that seems to keep the little motorcycle batteries or other regular vehicle batteries competing with the Energizer "Bunny" is that I do take them for a drive about once a month. Yes, I really grab the batteries housed in a plastic battery box and they go for a ride in the back of the truck when I go to town.. It does help keep the scales from building up. The tractor batteries are treated the same way and they last years and years without having



to replace them. Learned that trick from another  
rancher/farmer dude down the road!

My conclusion so far, is to go ahead and put a lamp in  
series with the charging operation for a fuse and it makes  
me happy to see something glowing. This charging  
system is meant for several days of tent camping out  
and no commercial power available, so it is a backup  
system.

Thank you, everyone, for the bandwidth!  
72/73...Walter, AG5P.....Wright City, Missouri

-----  
Date: Fri, 16 Aug 2002 12:47:58 -0400  
From: "Jim Stamper" <jstamper@shentel.net>  
To: <Mark.Fancher@ae.ge.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [132606] Re: Last night  
Message-ID: <002001c24544\$adbc0bb0\$ca606fcc@jim>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I heard Jurek too but little else. Jurek comes in about as often and as  
loud as W1AW here in the Valley. The guy must never sleep.

jim-  
KG4LDY

----- Original Message -----  
From: "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, August 16, 2002 10:07 AM  
Subject: RE: Last night

> You know, I'm surprised about the numerous comments about the bands last  
night.

>

> Around 9:30 pm local, I heard a few European stations coming through on  
CW.

> Picked up Jurek, EA6/SP4A0Q. He was 599 in KY. Heard an OH and UA as  
well.

>

> It only lasted about 1/2 hour, though.  
>  
> Mark, AA4MF  
>  
> -----Original Message-----  
> From: Hartwell, Martin E, ALINF [mailto:mehartwell@att.com]  
> Sent: Friday, August 16, 2002 9:13 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: Last night  
>  
>  
> Hi  
>  
> Were the bands dead last night? Or do I need to look at my antennas, or  
worse  
> thought, at my rig? I guess I need another rig, and another antenna just  
to  
> compare with.  
>  
>  
> Marty Hartwell kd8bj  
> AT&T Columbus Ohio  
> PH:614-501-2503  
>

-----  
Date: Fri, 16 Aug 2002 12:56:27 -0400  
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [132607] RE: I went and did it.  
Message-ID: <721D3436A7C2B344A301FD4A413C71A91618AD@kosh.ARRLHQ.ORG>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

I have seen this with old automobile lead-acid batteries, too. If they =  
get way down, they don't seem to draw any current for a long time when =  
put across an auto-battery charger. I wonder if the same effect is =  
happening to the smaller gel-cell battery.

I have found two techniques that sometimes work with old car batteries. =  
Leave the charger on long enough and they slowly start drawing current. =  
If you have a variable-voltage supply, try cranking it up a bit until it =  
starts to pump some current through the battery. DO THIS CAREFULLY, =

because if the current gets too high, the battery might explode. I =  
would put it under a sturdy container, just to be sure. Once you get it =  
drawing current, especially when the current starts to rise, you may be =  
able to put it back on the conventional charger.

One point -- deeply discharging a lead-acid battery does cause them some =  
harm. The battery may take a charge, but might have its lifetime =  
shortened or may no longer be able to deliver its full ampere/hour =  
rating. Considering they are pretty inexpensive and you want to squeeze =  
out every QSO from a portable operation, it might be time to slap =  
yourself on the wrist and buy a new one. The old one may make a nice =  
"bench" battery for 12-volt test purposes.

73,=20  
Ed Hare, W1RFI  
ARRL Lab  
225 Main St  
Newington, CT 06111  
Tel: 860-594-0318  
Internet: w1rfi@arrl.org  
Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: John McClain [mailto:digi2@earthlink.net]

> Sent: Friday, August 16, 2002 12:16 PM

> To: Low Power Amateur Radio Discussion

> Subject: I went and did it.

>=20

>=20

> Well, I just committed one of the bigger Gel Cell sins. I had  
> forgotten about my backup battery pack until this morning and now one  
> of the two 6 volt (4.5mah) batteries is kaput. It reads zero volts  
> and will not take a charge from my solar charger. I know that these  
> cells don't like to be discharged below 11.5 volts and this is what  
> may happen if they are. My question, what do I do besides slapping my  
> hand? Is there any way to resurrect it?

>=20

> John

> K7SVV

> K2 #2569

>=20

>=20

>=20

-----

Date: Fri, 16 Aug 2002 13:18:04 -0400

From: Alex <kr1st@amsat.org>

To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [132608] Re: I went and did it.  
Message-ID: <3D5D33CC.9395CE1B@amsat.org>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

> Is there any way to resurrect it?

I think there is:

[http://www.wshop.co.kr/Info/restoring\\_sla.htm](http://www.wshop.co.kr/Info/restoring_sla.htm)

I have no experience with this, but I hope this link helps.

73,  
--Alex (KR1ST)

<http://www.kr1st.com>

-----  
Date: Fri, 16 Aug 2002 13:18:15 -0400  
From: David Hinerman <WD8CIV@worldnet.att.net>  
To: qrp-1@lehigh.edu  
Subject: [132609] RE: I went and did it.  
Message-ID: <5.1.0.14.1.20020816131240.00a6e2b0@ipostoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:56 PM 8/16/2002 -0400, you wrote:

>One point -- deeply discharging a lead-acid battery does cause them some  
>harm. The battery may take a charge, but might have its lifetime  
>shortened or may no longer be able to deliver its full ampere/hour rating.

Ed,

The last 4 auto batteries I've had to replace went that way. They were usually 3 or 4 years old, still serving well, but I (or my daughter in later years) would drain the battery by leaving the lights on. After a jump start or recharge they'd hold a charge for a short while, but would usually go dead overnight.

I even did that at the Dayon Hamvention one year. Left the house early to drive over, had the headlights on to help see through some of the early morning fog, and forgot to turn them off when I parked at the arena. Fortunately for me it wasn't one of the swamp years so I'd have to pay one of the vultures driving a tow truck for a jump AND a pull out of the mud.

Dave

-----  
"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton  
-----

Dave Hinerman  
WD8CIV@worldnet.att.net

-----  
Date: Fri, 16 Aug 2002 11:28:09 -0600  
From: "" <markb@abq.com>  
To: qrp-1@lehigh.edu  
Subject: [132610] Re: I went and did it.  
Message-ID: <7d212ddd1576430fa657f3b507e45356.markb@abq.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable

----- Original Message -----  
From: John McClain

> I just committed one of the bigger Gel Cell sins=2E=20

Guilty of battricide!

> one of the two 6 volt (4=2E5mah) batteries is kaput=2E =20  
> It reads zero volts and will not take a charge from my=20  
> solar charger=2E =20

This is because the charger's voltage can't work through  
the (now) high impedance of the battery=2E

> Is there any way to resurrect it?

Yes=2E If it's any good, i=2Ee=2E it was good before you KILLED=20  
it :- ) it will quite likely make an almost full recovery=2E =20  
As discussed in the recent light bulb charger posts, use a=20  
low current lamp like a 12V dash lamp (250ma, 12V) and put=20

it in series with a power supply set at around 15V=2E A bench=20  
supply with current limiting does an excellent job of this  
without having to mess with light bulbs=2E

At first no current may flow, but give it a day or two=2E=20  
Slowly the current will start to rise, then more quickly=2E =20  
The higher your power supply voltage is set to, the faster  
this will happen but you would need a higher voltage bulb=2E  
The light bulb keeps things from getting out of hand too=20  
quickly once it starts accepting a charge=2E If you leave=20  
in on for a week and still no current flows, you're=20  
probably wasting your time=2E Once you reach about 2V per=20  
cell (6V) you can connect it to a normal charger=2E Let=20  
it soak on that for a day or two before putting it back=20  
into cyclic use=2E

I've resurrected numerous "hamfest special" gel cells  
this way, most often these have sat uncharged for=20  
a period of time and self-discharged to 0V=2E Lead  
acid batteries discharge about 1% per day, so 6 months  
is about all it takes=2E Wake them up with a week long  
trickle charge, then a few hard cycles and they usually  
return to not necessarily new, but usable capacity=2E

Mark K5LXP  
Albuquerque, NM  
k5lxp@arrl=2Enet

-----  
Date: Fri, 16 Aug 2002 14:08:28 -0400  
From: morehouset@tncc.vccs.edu  
To: qrp-l@lehigh.edu  
Subject: [132611] W4T  
Message-ID: <3B5A96A5F31AD4118D8900508BC273F001AE517C@tnmail.tncc.cc.va.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

The Middle Peninsula Amateur Radio Club, Inc., will  
"light up" Wolf Trap Light (903) in the Chesapeake Bay with special event  
call sign W4T this weekend. Hope to have the FT817 or DSW 40 fired up, in  
addition to the club's FT 890. We'll also have a special QSL card.

> 72,  
> Tom K4AEN

-----  
Date: Fri, 16 Aug 2002 18:12:27 +0000  
From: "Tom Dufresne" <tdufres@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [132612] Rock Mite and reverse polarity  
Message-ID: <F121Qc32om1joKIB5i5000019fa@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Gang:

I am getting near completion of my "Rock Rig", and I wondered about reverse polarity protection. I remember in my 2N2-40 rig, I used a 2N4001 diode and a fuse. I noticed no one has addressed this yet (or have they?), and I didn't see anything like that in Rod's cool pictures of his Mite in an Altoids kit. (which I want to try for my own case).

Have I missed something?

Tom

KC0GXX

-----  
Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

-----  
Date: Fri, 16 Aug 2002 12:28:00 -0600  
From: Rod N0RC <rod@n0rc.us>  
To: <tdufres@hotmail.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [132613] Re: [Rock Mite and reverse polarity]  
Message-ID: <20020816182800.16531.qmail@uwdvg023.cms.usa.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: quoted-printable

Tom,

Look in the mods section of the Rock-Mite files, there you will see that =  
I  
note the use of a reverse polarity diode. And, just last night, I measure=  
d the  
current draw of my Rock-Mite in TX mod, it is ~200ma. So I recommend a di=  
ode  
with a rating of 0.5 amps or more, just to be safe. (You will want a litt=

le  
"head room" for when your in there poking around with test leads, trust me  
;-)

73, Rod N0RC ...pass me another 2N2222....  
the "Rock-Mite" files  
<http://www.radioactivehams.com/~n0rc/rm/>

"Tom Dufresne" <tdufres@hotmail.com> wrote:  
> =

> Gang:  
> I am getting near completion of my "Rock Rig", and I wondered about reverse

> polarity protection. I remember in my 2N2-40 rig, I used a 2N4001 diode and

> a fuse. I noticed no one has addressed this yet (or have they?), and I =

> didn't see anything like that in Rod's cool pictures of his Mite in an =

> Altoids kit. (which I want to try for my own case).

> Have I missed something?

> Tom

> KCOGXX

> =

> =

> -----  
> Chat with friends online, try MSN Messenger: <http://messenger.msn.com>  
> =

-----  
Date: Fri, 16 Aug 2002 13:49:58 -0500  
From: Karl Kanalz <kkanalz@gcecis.com>  
To: "'tdufres@hotmail.com'" <tdufres@hotmail.com>,  
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [132614] RE: Rock Mite and reverse polarity  
Message-ID: <01C2452C.1C3AFA60@KKANALZ>



Yes, Tom, you did indeed "miss something" on Rod's website. Early on in his opening page, he mentions adding a diode for "reverse polarity" protection for the Rock-Mite.

Check his web page(s) again!

Karl K - W8TIF  
McKinney, Texas

-----Original Message-----

From: Tom Dufresne [SMTP:tdufres@hotmail.com]  
Sent: Friday, August 16, 2002 1:12 PM  
To: Low Power Amateur Radio Discussion  
Subject: Rock Mite and reverse polarity

Gang:

I am getting near completion of my "Rock Rig", and I wondered about reverse polarity protection. I remember in my 2N2-40 rig, I used a 2N4001 diode and a fuse. I noticed no one has addressed this yet (or have they?), and I didn't see anything like that in Rod's cool pictures of his Mite in an Altoids kit. (which I want to try for my own case).

Have I missed something?

Tom  
KC0GXX

---

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

---

Date: Fri, 16 Aug 2002 15:26:01 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <tdufres@hotmail.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [132615] Re: Rock Mite and reverse polarity  
Message-ID: <003001c2455a\$c2ebc640\$0300a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> Gang:

> I am getting near completion of my "Rock Rig", and I wondered about reverse

> polarity protection. I remember in my 2N2-40 rig, I used a 2N4001 diode and  
> a fuse. I noticed no one has addressed this yet (or have they?), and I  
> didn't see anything like that in Rod's cool pictures of his Mite in an  
> Altoids kit. (which I want to try for my own case).  
> Have I missed something?  
> Tom  
> KC0GXX

Well, I'm not familiar with that unit, but I'd sure add protection if it were mine!!

If the 'setup' were such that it was critical for input voltage, then I'd put a crowbar diode and a fuse in there to blow the fuse if it hooks up backwards. But if a forward diode voltage drop wasn't too bad a hit, I'd just drop in a 1N4001 or something to protect it. I've had brain fade and lost units in the past!

Mike

-----  
Date: Fri, 16 Aug 2002 19:58:37 +0100  
From: Chuck Adams <k7qo@earthlink.net>  
To: tdufres@hotmail.com, qrp-1@lehigh.edu  
Subject: [132616] Re: Rock Mite and reverse polarity  
Message-ID: <5.1.0.14.0.20020816195615.00a081c0@mail.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Tom et.al.,

I have a 1N4003 diode in series with the B+ line. See pictures at  
<http://www.qsl.net/k7qo/rocky1.html>

Good News: You won't fry your puppy with reverse polarity.

Bad News: With 12.6V battery I am only getting 250mW out, so power may vary.

I now have 3 states with mine ----- TX, CO, and OR ----- but working on more when I can.

FYI,

Chuck Adams, K7QO CP-60 k7qo@earthlink.net  
<http://www.qsl.net/k7qo>

Moving to Arizona? --- Bring your own water, please.

-----  
Date: Fri, 16 Aug 2002 12:59:07 -0700  
From: Steve Smith <sigcom@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [132617] Re: Rock Mite and reverse polarity  
Message-ID: <20020816.125907.-16534431.0.sigcom@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Per the Rock-Mite instructions, last page, last paragraph Dave B. says:

"I'd recommend adding a 1N4001 diode in series with the power supply (V+) feed to preclude reverse-polarity mishaps. Or better yet, a 1N5818 Schottky diode for lower voltage drop. Any of the diodes 1N4001, '02', 03...or '5818, '19, '20 is fine- They're non-critical and all 'overkill' for this application."

(And for initial tests you could use the old Scrounger light-bulb trick.)

73.....Steve 'The Scrounger' Smith  
WB6TNL Oxnard, CA USA  
"Snort Rosin"

-----  
GET INTERNET ACCESS FROM JUNO!

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<http://dl.www.juno.com/get/web/>.

-----  
Date: Fri, 16 Aug 2002 16:01:41 -0700  
From: "Dave Benson" <nn1g@earthlink.net>  
To: <qrp-l@lehigh.edu>  
Subject: [132618] Rock-Mites: 'Half-time'  
Message-ID: <001d01c24578\$e32d8b00\$1d483b41@pavilion>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

gang-

Rock-mite shipments will be taking a brief intermission.

I've just completed shipping the 250th Rock-Mite kit and I'm now out of crystals. The crystals are on order- due in three weeks, and as soon as they're here the shipments will resume.

The shipments to date correspond to orders received up to and including July 21st. If your order was placed after that date, please have patience- there's a substantial backlog of orders as of right now. I'll continue to accept and acknowledge each Rock-mite order as it arrives, and ask for your understanding until they're moving again.

Thanks for the commercial bandwidth-

73 - Dave Benson, K1SWL

-----  
End of QRP-L Digest 2649  
\*\*\*\*\*  
-----